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NEXUS

NEW TIMES • Vol 13, N° 4

JUNE – JULY 2006

AUSTRALIA (incl. GST) \$6.95

NZ (incl. GST) NZD \$6.95

USA USD \$5.95

UK £3.25

EU €4.95

**The Port Arthur massacre:
was Martin Bryant framed?**

Drug empires & geopolitics

**Hidden health dangers
of indoor moulds**

The Pentagon hacker

DIY carbon arc lamp

**Secret tunnels and a
lost hall of records**



ISSN 1039-0170



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Print Post Approved PP442036/0005

• Senator Goldwater on UFOs • RFID chips hacked •

NEXUS

NEW TIMES MAGAZINE

Volume 13, Number 4

JUNE – JULY 2006

UK/Europe edition

Website: <http://www.nexusmagazine.com>

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NEXUS MAGAZINE

Volume 13, Number 4

JUNE – JULY 2006

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PRINTING

Goodhed Print Group, Bicester, Oxon., UK

DISTRIBUTION

Seymours, London, UK

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STATEMENT OF PURPOSE

NEXUS recognises that humanity is undergoing a massive transformation. With this in mind, NEXUS seeks to provide 'hard-to-get' information so as to assist people through these changes. NEXUS is not linked to any religious, philosophical or political ideology or organisation.

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Editorial

It is now 10 years since the infamous Port Arthur massacre in Tasmania. For as many years, people from diverse backgrounds have been investigating and collecting information which they believe is evidence that Martin Bryant (who "confessed" to the shootings) was not the killer and has been framed. Several mainstream publications ran articles to mark the 10th anniversary, but even they were accused of opening wounds in order to sell papers. The trouble is, using their own metaphor, wounds which are not healing *need* to be reopened and re-examined, which is certainly the case with events at Port Arthur. Part one of our three-part series looks at some of the basic problems with the theory that Martin Bryant single-handedly killed all those people. For example, witnesses claim the shooter was firing from the right hip, yet Bryant is left-handed. There are more than enough problems to cast considerable doubt on the entire "official" story.

It doesn't take much to see that there is a growing rift between the USA under the neocons, and Russia under Putin. Putin has kicked out, or locked up, foreign controllers of what he considers to be Russia's natural assets. This means that some seriously annoyed oligarchs are licking their wounds in Israel and the UK, plotting revenge on Putin. Their plans involve using "terrorists" to destabilise key areas surrounding Russia. Recently, the anti-Putin oligarchs recruited Neil Bush to help them in the undeclared war already being waged against Russia. If you want to become more informed on the background, read Peter Dale Scott's series on "The Far West Drug MetaGroup", part one of which is in this issue.

Speaking of Russia, I must comment on The Ringing Cedars series of books I have started reading. They have sold millions of copies in Russia and have been translated into many other languages, but are only now being published in English. You may recall a reader recently sending a Letter to the Editor, saying he had found some Russian books which made everything he had read in the last 20 years seem like a complete waste of paper (and this from a serious truth-seeker!). Well, I checked out the books, and I find myself agreeing with him. These books are absolutely amazing! They are certainly the most thought-provoking material to come my way in quite a while, and that is saying something! I have included a review of the first three books in the Book Reviews section, and I will cover more in future issues.

NEXUS has published many articles discussing the role of parasites and other micro-organisms that take up residence (or mutate into new organisms) in the body after pH or other changes in the blood. More diseases than you'd think are the result of these organisms, even though we usually blame a "virus". Ways to rid the body of these critters can vary, as can the success rate. Successful choices available include herbs, zapping, urine therapy and colloidal silver, to name a few. One of the most difficult parasites to remove is the tapeworm—or should I say *was*. Be sure to read the article this issue on the amazing effects of high-energy light from the carbon arc lamp. The author even describes how you can build your own lamp.

While on the subject of health, be sure to read the article on the health effects of indoor moulds (or "molds" if you are in the US empire). If you can smell mould or dampness in your house or work environment, then you need to realise that you are inhaling zillions of spores of micro-organisms that can gradually, or dramatically, alter your health for the worse. In fact, every time you "smell" anything, it basically means that foreign molecules are going straight up the nose, into the bloodstream and into the brain. Think about that. Fragrances from personal care products and even subliminal smells that affect you without your knowledge (e.g., pheromones) all add to the workload for your immune system.

We've decided not to hold any NEXUS conferences in 2006, but we are planning at least one conference, probably two, for 2007. If you can recommend any "different" venues or locations, I am keen to hear from you.

In closing this editorial, I'm sorry to have to inform readers of the sudden death in early May of Robert Adams in New Zealand. Among other things, Robert invented the Pulsed Electric Motor Generator and put it into public domain through NEXUS Magazine back in the early 1990s. I will miss all our great chats, Robert.

Duncan

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Letters to the Editor ...

Kenneth Arnold UFO Search

Dear colleagues: I wonder if you could help me, please. I am trying to trace the daughter of the late Kenneth Arnold. It is my hope and intention to try to make the definitive documentary on the late Kenneth Arnold and firmly cement his rightful place in ufological history. His daughter is Kim Purvis, or Kim Arnold Purvis.

If you know where I can contact Kim Purvis, or know of anyone who may be able to help me locate her, then I would be extremely grateful if you could contact me.

Thank you very much for your assistance with this request.

Yours sincerely,

Philip Mantle, 49 East Leigh Drive, Tingley, near Wakefield, West Yorkshire WF3 1PF, UK, email philip@mantle8353.fsworld.co.uk

9/11 and Other Conspiracies

Dear Duncan: In reply to Mark L.'s letter on 9/11 in your April–May issue [13/03], I have spent the past nine years researching the NWO's agenda and have recently published two books in Australia: *Conspiracy?* and its sequel, *The Face of Evil*. Both of these novels seek to expose the truth behind what really happened at Dunblane, Port Arthur and Oklahoma City and during the events of 9/11 and its aftermath.

There is no doubt in my mind that 9/11 was a "put-up job". Both buildings were demolished. The planes were only a smokescreen to disguise this fact (as was the ANFO bomb that supposedly brought down the Murrah Building in Oklahoma City). For those who want to pursue this further, my books, although written as novels, are based on fact and use real names, dates and verifiable code names to prove the point.

As Mark says, there is now overwhelming video evidence that at least one of the planes hitting the towers was a military refuelling jet, not a commercial airliner. Of the others, no plane wreckage was ever found at the alleged "crash site" in Pennsylvania (early news footage, which was later rapidly changed, showed debris spread over an eight-mile radius, indicative of a mid-air explosion). Likewise, no plane debris was ever found at the

Pentagon, nor any "identifiable" debris at the towers.

Former German cabinet minister Andreas von Bülow is now claiming that Building 7—Mayor Giuliani's emergency command centre—was used as the control centre for the attack and that it, too, was demolished that same afternoon—without being hit by anything!

As an architect, I know how difficult it is to calculate the correct placement of just the right amount of explosives in the right locations to bring down a building of that size in a perfect sequence. It would take many days, if not weeks, to calculate placement in the structure and rig the demolition of one building, let alone three...

The major world media are now controlled by only eight individuals. We are being fed only what they wish to dish up and if questions are ever asked of our politicians, they inevitably claim total amnesia or departmental incompetence...

It is only through publications like NEXUS and access to the Internet that we have any voice at all. The truth is out there. Wake up before it's too late!

John Wollaston, Sydney, Australia, website <http://www.conspiracytruths.com>

Solar Cells and Super-Batteries

Hello. I saw your news snippet last issue about the South African solar cells, and was very excited [see Science News, 13/03]. I'm going to South Africa on business for the first time in 2–3 months, and will look into this further. I have found some more articles on this.

In 1986 at the University of NSW, Australia, a super-battery was developed, called the Vanadium Redox system.

Combine those solar cells with this technology and you have a solution to the bulk of energy needs. A Canadian company took over the Redox invention and is slowly developing it. Too bad we could not have done it in Australia.

Regards,

Tom M., Arcadia, NSW, Australia

Is Time Speeding Up?

Hi, Duncan: I am a sometime reader of NEXUS, generally when I

am flying around Australia for my job, as it always seems to be available in the airport newsagency but not so much at my local outlet.

Your opening paragraph in your editorial caught my attention: "Does time appear to be speeding up?" The short answer is, "Yes, it is"; most people feel it, and the answer why is simple.

Many years ago I joined the Sukyo Mahikari organisation, mostly because it was able to offer answers to questions the various religions and science could not give. I heard many predictions about the planet's current period, all of which have come horribly true, but the part that relates to your question concerns what is called the "age of fire" or "reversal of heaven's will" or "baptism by fire".

Many organisations and prophets have spoken of this time where God reasserts his control of the world. Because we are returning to a spirit-centred era, karma must be balanced and this calls for the so-called natural disasters, diseases and conflicts to increase dramatically.

We are approaching the peak of this great cleansing; and as the "fire energy" in the universe increases, humans because of their connection to the Creator are able to perceive this increase as a speeding up of time. It's as simple as that. I am sure many would want to disagree, but it works for me.

Best regards,

Gary S., Montrose, Tasmania

DuPont's Teflon Deception

Hi Duncan: We recently came across a deceptive line of sales regarding the use of the word "Teflon". Apparently DuPont has been given 10 years to withdraw all Teflon from the market because the product does not break down and is being found in humans and the environment.

This seems to have spurred DuPont into releasing Teflon onto the market as its chemical name polytetrafluoroethylene (PTFE) and proclaiming it "Teflon-free". It is all based on the same chemical, and it seems that DuPont is trying to maintain its market while using the same product. Have you noticed how the majority of cookware is now PTFE-coated? DuPont is making it cheap enough for all

manufacturers to use it.

All non-stick cooking surfaces are based on PTFE—even if it is proclaimed as Teflon-free.

Great magazine; keep up the good work.

Cheers, James

Writing from the Heart

Duncan: Just received NEXUS vol. 13, no. 3. As always, I am appreciative of the mail delivery of your magazine, more so than the others I receive. I was rather curious that in your editorial you asked: "What does it mean to 'write from the heart'?" Were you being facetious, or are you truly in doubt about what "from the heart" means?

"From the heart" is the initial feeling we sense in regards to any situation; that very first feeling in the heart, your very being speaking to you. Following that comes the rationalisations, the fears, e.g., I'd better not write that; they'll think I'm crazy, or I may offend my advertisers, etc.

If you see a beggar on the street and your initial reaction is to give him some money, feed him, whatever, this is followed by the thoughts that he's probably a charlatan, probably drives an expensive car that is parked around the corner, will probably blow whatever money I give him on drugs, etc. Yet your heart spoke to you, saying, "Stretch out your hand and be a source of love and inspiration", but your ego gives you a thousand reasons why not to.

So can you write from the heart? Not many journalists do today; they are too motivated by money, power and prestige, and are not concerned about publishing their true feelings, beliefs or facts.

In your case, my friend, I am positive you are fully capable of writing from the heart; if not, NEXUS Magazine may not have a very long future life.

Actually, every editorial, every letter and every article prompts me to write from the heart, but my egotistical fears usually prevent me from doing so.

Keep up the fine work, and please consider a monthly publication: two months is just too long to wait.

Sincerely,

Gary M. L.

... more Letters to the Editor

NB: Please keep letters to approx. 150 to 250 words in length. Ed.

MNCs Ruin Poultry Farmers

The multinational companies (MNCs) of Western countries have deliberately sought to destroy the poultry industry in China, India and many Asian countries.

A massive campaign has been launched against the poultry farmers of India, with the help of traitors among the politicians and bureaucrats.

It is as clear as daylight that the MNCs are behind this massive fraud against the Indian poultry farmers. They are hellbent on destroying the poultry industry in India, which employs more than three million persons and has a huge turnover of Rs 35,000 crore (Rs 350 billion). It is one of the largest industries of India; our country cannot afford to suffer huge losses.

Where have all the dead chickens gone in India? All the chickens killed in the name of bird flu have not been buried. Most of the meat of these killed chickens has been secretly sold and supplied for Rs 15 or more per kilo on the black market. At the behest of corrupt politicians, the chickens have been grabbed by the bureaucrats for only one or two rupees from the poor, helpless poultry farmers.

Now farmlands will be snatched from the bankrupt poultry farmers by the corrupt politicians and bureaucrats with the help of loan sharks. These farmlands will be sold to the MNCs, rich NRIs [non-resident Indians] and even the relatives of politicians and bureaucrats in many *benami* deals at very low prices after taking hefty bribes.

The bankrupt farmers will be forced to part with their lands by the loan sharks, politicians and bureaucrats to pay off their loans.

Many other poultry farmers will also be forced to commit suicide due to the bankruptcy caused by their inability to pay back the loans...

Ashok T. Jaisinghani, editor and publisher, Pune, India, AshokJai@Sancharnet.in, <http://www.SindhiKalakar.com>

Jenner's Inoculation Fraud

Dear Sir: I would like to add a bit to Patrick C.'s excellent letter "Failure of Vaccinations" (NEXUS April–May 2006, 13/03), in which

he states: "Edward Jenner's discovery was not a medical breakthrough..." It certainly was not.

But to get a true understanding of the global multibillion-dollar vaccination/immunisation crime, one must refer to Dr Charles Creighton's book *Jenner and Vaccination* (1889). In this, the great pathologist (1847–1927) pursued a meticulous study of Jenner's pernicious confidence trick—namely, that the "inoculation of cowpox will protect the human body from the smallpox". Of course it could not. Creighton found that Jenner was so desperate to have his "discovery" accepted by the medical and veterinary trades (1796–1800s) that he had the audacity to call cowpox "smallpox of the cow". Of course, such diseases are entirely different. But, if you tell a lie long enough...

During the course of the 19th century, medics realised that vaccinating—Jenner never used that word—against smallpox was a wonderful money-spinner, and he himself was given 30,000 pounds by the British government. In 1810, that was a huge fortune.

With the invention of the syringe, there was no stopping the monstrous vaccine push for many diseases. To this day, a vaccine is being pushed for almost every medical and veterinary condition. It is 21st-century voodoo medicine and is causing medical and veterinary disasters.

Jenner was not a qualified doctor: he *bought* his medical doctorate from a university.

Yours faithfully,

Terence M., London, UK

Cymatics and Toxic Mercury

Thanks for the article on cymatics! Just to let you know, there is an upcoming conference dedicated to cymatics: "Cymatics: The Science of Sound and Vibrational Healing", October 20–22, 2006, Atlanta, Georgia. See the website <http://www.cymatherapy.com>.

On another note, thanks for all the information on mercury toxicity. I discovered my high levels of mercury came from using contact lens solutions, (unknowingly) containing thimerosal, for 15+ years. These solutions were taken

off the market in the mid- to late '80s. Another source of mercury!

Mandara C., Atlanta, GA, USA

Energy Healing Relieves MS

Dear Editor: I have spent close to three years in a wheelchair since being diagnosed with MS in '95.

After my initial diagnosis, I continued to work and travel the world as part of my duties: selling and training customers with software for public transport developed here in Adelaide.

After a six-month period in France, followed by 12 months in the UK, I returned to Adelaide weighing 127 kg. My movement had also deteriorated, as had my self-esteem. Having been forced to leave work, my overall well-being declined further. I was forced to use a wheelchair in 2003. I tried a number of alternative therapies that had slight benefits for me. But my mood was somewhat dark.

Then, on 13 May 2005, I met Ms Wendy Starick, a talented healer. Wendy uses energy healing massage and chakra cleaning. After three treatments I noticed a difference, firstly to my mood. Then, after my fifth treatment, I started to walk, startling a number of friends who had never seen me stand.

Each week I see Wendy, there is a steady improvement. She has not only improved my mobility, but has helped me lose fear, dread and uncertainty, replacing them with self-confidence and certainty that soon I will be back to my pre-'95 condition.

Wendy has given me back my life by having me rejoin life. At every chance I get, I try to tell people of my journey. The greatest percentage are very impressed to hear of this wonderful, empathic, intuitive healer. Wendy deserves so much recognition; she performs her amazing work and only charges A\$45 for up to a 90-minute session. She is totally remarkable, and I believe of benefit to anyone who seeks her out. Wendy wants to make her talent available to everyone in need, no matter their financial or social status.

I am happy to provide further details if you feel that Wendy's remarkable story has merit; my contact details are below.

Yours sincerely,

Malcolm Kean, 2B Gosse Avenue, Glenelg North SA 5045, Australia, tel (08) 8295 1451, email mal55@iprimus.com.au

Out-of-Body Research

Dear Editor: I am a PhD student researching out-of-body experiences. I am trying to reach people who have had such experiences; hence this email.

I think NEXUS Magazine is the best possible way of letting people know what I am doing and to "recruit" participants for my study. Is it possible to advertise a "research notice" in your magazine?

For more information about my study, please visit my website, <http://www.goooutofbody.com>.

Thank you for your time and help. Have a nice day,

Tomas Pernecky, PhD candidate, Wageningen University, The Netherlands

CORRECTION:

The article "Al-Qaeda, US Oil Companies and Central Asia" by Dr Peter Dale Scott (NEXUS, volume 13, no. 3) gave the misleading impression that the Al-Amoudi interest controlled Delta Oil and contributed to the Muwafaq (Blessed Relief) charity and this reference might be widely interpreted as referring to the Saudi businessman and philanthropist Sheikh Mohammed Hussein Al-Amoudi.

In fact, the Sheikh had no shareholding or management interest in Delta Oil during the period in question, nor has he at any time contributed funds to the Muwafaq (Blessed Relief) charitable foundation. Furthermore, he wishes it to be known that he has never knowingly contributed to any charity supporting terrorism and is a strong opponent of terrorism as an instrument of policy.

The reference to Muwafaq was not part of the original submission of Dr Peter Dale Scott to NEXUS but was accidentally included from an earlier draft that had been subsequently corrected by Dr Dale Scott after he was satisfied that it was based on incorrect information.

MYSTERY MOUSE VIRUS FOUND IN PROSTATE CANCER PATIENTS

Researchers say they have found a virus in the prostate of some cancer patients—a remarkable discovery that may suggest micro-organisms could play a role in causing this cancer.

The virus, closely related to one previously found only in mice, was found in cancerous prostates removed from men with a certain genetic defect. The researchers, with the University of California, San Francisco, and the Cleveland Clinic, presented the findings at an American Society of Clinical Oncology meeting in San Francisco.

"We have made a very fascinating discovery never before seen in humans [of a virus] that is very similar to one found in a mammal that causes cancer," said Dr Eric Klein of the Cleveland Clinic. "But we have not proven this virus causes prostate cancer."

This finding has planted nagging suspicions in the minds of scientists that some diseases may play important roles alongside genetics, environment and chance in causing breast, stomach and several other forms of cancer.

Researchers are not sure how the mouse virus infected people, but suspect it has been passed on genetically for many generations.

"This is a class of virus no one would have looked for in prostate cancer," said



UCSF researcher Joe DeRisi, who developed the so-called "gene chip" that made the discovery. DeRisi's chip contains 20,000 snippets of vital genetic material from every known virus. It is the same chip that confirmed a previously undiscovered virus in the cold family that caused the SARS outbreak three years ago.

"We haven't really been thinking along those lines," said Dr Anthony Zietman, a radiation oncologist at Massachusetts General Hospital. "This is an interesting finding that will take off in a whole new direction."

(Source: San Jose Mercury News, 24 Feb 2006, <http://www.mercurynews.com/ml/mercurynews/living/health/13950601.htm>)

HIGH-VOLTAGE ELECTRICITY DOSES KILL CANCER CELLS

Scientists from Old Dominion University and Eastern Virginia Medical School say they've killed melanomas in mice using extremely short, high-voltage doses of electricity. The researchers told the *Virginian-Pilot* that they've never had a tumour that did not respond to the treatment.

Richard Nuccitelli, associate professor of electrical and computer engineering at Old Dominion, said the method might eventually turn into an effective cancer treatment.

The electric bursts often disrupted the blood flow to the tumour cells and shrank their

nuclei by 50 per cent, Nuccitelli said. The tumours died after two or three weeks of treatments. Each session involved hundreds of electrical pulses, each less than one one-millionth of a second and carrying 4,000 volts.

Nuccitelli said he and his colleagues believe the process works by severely damaging DNA in the cells. The treatment produced no scarring and did not harm adjacent cells. All of the research mice survived, with no ill effects.

The scientists said additional research will be needed before they can experiment on people.

The research is to appear online in the journal *Biochemical and Biophysical Research Communications*.

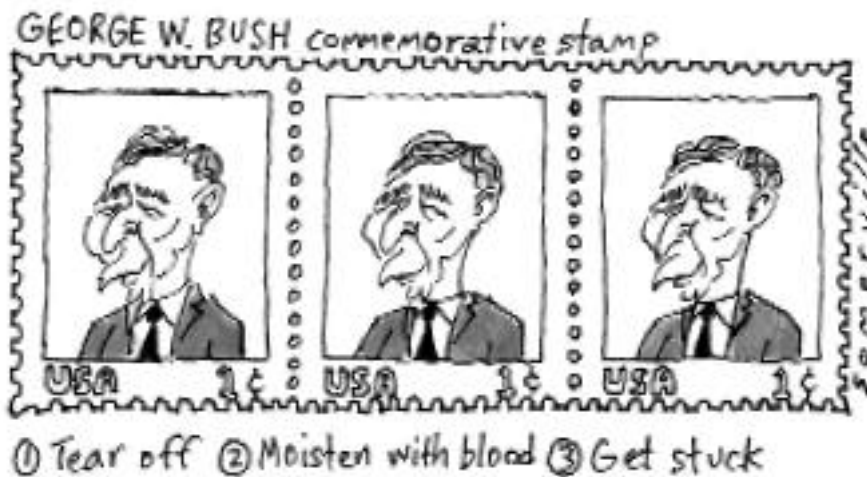
(Source: *Physorg.com*, 13 March 2006, <http://www.physorg.com/news11697.html>)

BRAIN CELLS FUSED WITH SILICON CHIP

The line between living organisms and machines has just become a whole lot blurrier. European researchers have developed "neurochips" in which living brain cells and silicon circuits are coupled together.

The achievement will one day enable the creation of sophisticated neural prostheses to treat neurological disorders, or the development of organic computers that crunch numbers using living neurons.

To create the neurochip, researchers squeezed more than 16,000 transistors and hundreds of capacitors onto a silicon chip just one millimetre square in size.



They used special proteins found in the brain to glue brain cells—neurons—onto the chip. However, the proteins acted as more than just a simple adhesive.

"They also provided the link between ionic channels of the neurons and semiconductor material in a way that neural electrical signals could be passed to the silicon chip," said study team member Stefano Vassanelli from the University of Padua in Italy.

The proteins allowed the neurochip's electronic components and its living cells to communicate with each other. Electrical signals from neurons were recorded using the chip's transistors, while the chip's capacitors were used to stimulate the neurons.

"Pharmaceutical companies could use the chip to test the effect of drugs on neurons, to quickly discover promising avenues of research," Vassanelli said.

The researchers are now working on ways to avoid damaging the neurons during stimulation.

The team is also exploring the possibility of using a neuron's genetic instructions to control the neurochip.

(Source: *LiveScience*, 27 March 2006, http://www.livescience.com/humanbiology/060327_neuro_chips.html)

PHYSICISTS WARN AGAINST NUCLEAR WAR WITH IRAN

Thirteen of the most prominent physicists in the USA have written a letter to President Bush, calling US plans to reportedly use nuclear weapons against Iran "gravely irresponsible" and warning that such action would have "disastrous consequences for the security of the United States and the world".

The physicists include five Nobel laureates, a recipient of the National Medal of Science and three past presidents of the American Physical Society, the nation's pre-eminent professional society for physicists.

The letter was initiated by Jorge Hirsch, a professor of physics at the University of California, San Diego, who last autumn put together a petition signed by more than 1,800 physicists that repudiated new US nuclear weapons policies that include pre-emptive use of nuclear weapons against non-nuclear adversaries.

"The fact that the existence of this plan has not been denied by the Administration should be a cause of great alarm, even if it is only one of several plans being

considered," Professor Hirsch commented. "The public should join these eminent scientists in demanding that the Administration publicly renounce such a misbegotten option against a non-nuclear country like Iran."

The letter, which is available at web page <http://physics.ucsd.edu/petition/physicistsletter.html>, points out that "nuclear weapons are unique among weapons of mass destruction", and that in today's arsenals they have a total power of more than 200,000 times the explosive energy of the bomb that levelled Hiroshima, which caused the deaths of more than 100,000 people.

(Source: *University of California, San Diego*, 17 April 2006; *NewsWise*, <http://www.newswise.com/articles/view/519690/>)

MI6 ADVERTISES FOR SPIES

A half-page advertisement in the *Times* careers supplement offers jobs for "operational officers", technology experts and "thoroughly efficient administrators".

MI6 has been shrouded in secrecy for most of its 97-year history. The organisation was not even officially acknowledged to exist until just over a decade ago.

"Staff who join SIS can look forward to a career that will have moments when the gap narrows just a little and the certainty of a stimulating and rewarding career which, like Bond's, will be in the service of their country," says the MI6 ad.

It says the agency operates around the world to make Britain "safer and more prosperous" and hires "people we can

depend on because everyone in the UK depends on them".

Those applying are warned that they should not tell anyone other than a spouse or closer partner that they are putting their name in.

(Source: *BBC News*, 27 April 2006)

FORMER MI6 AGENT TOMLINSON STARTS BLOGSITE

Former MI6 agent Richard Tomlinson has decided to start his own blogsite in an effort to publicly air his long-running battle with his former employer.

Tomlinson was famously imprisoned in 1997 for breaking the 1989 Official Secrets Act by attempting to publish a book detailing his career. The book was finally published in 2001 after the Court of Appeal of England and Wales ruled in his favour.

It is alleged that Tomlinson published a list of 116 alleged MI6 agents on one of Lyndon LaRouche's websites. He has always denied being responsible for its publication. In the book, he states: "If MI6 had set out to produce a list that caused me the maximum incrimination, but caused them the minimum damage, they could not have done a better job." No definitive proof has ever been provided to link him with the list.

Says Tomlinson: "I've been involved in a long-running battle since April 25th, 1996, with my former employees, MI6 (British Secret Intelligence Service). ...MI6 relied on their considerable budget (from the taxpayer) and lots of threats, writs and pompous claims that I was a



'danger to national security', in order to silence and discredit me. They even managed to imprison me for a while.

"In order to keep me quiet and bash me around so much, they relied on the fact that a little guy like me did not have the financial means to fight back against their injunctions and legal assaults against me. But with a blog, I'm newly empowered—and how I wish I had known about them years ago..."

On the subject of MI6's recruitment campaign, Tomlinson says: "Good luck to any applicants: it is a very interesting career. I really enjoyed my time there. But be warned: they are a bullying employer, and are thoroughly vindictive towards any ex-employee who dares to criticise them.

"If I were to return to the UK, I would be arrested and imprisoned, simply for the crime of having written a book. It's not the sort of behaviour one would expect from a supposedly civilised employer in this day and age."

(Source: Richard Tomlinson blogsite, 9 April 2006, <http://www.richardtomlinson.typepad.com/>)

DO DRUG COMPANY LINKS SWAY PSYCHIATRY?

A disturbing number of the experts who help write psychiatry's most influential diagnostic manual have financial ties to drug companies, raising concerns about the independence of diagnostic advice in the manual.

While such possible conflicts of interest are not uncommon, psychiatry is of

particular concern because diagnosis is so tricky. Physicians rely heavily on the *Diagnostic and Statistical Manual of Mental Disorders*, or *DSM*, which categorises psychiatric illnesses and their diagnostic criteria.

"The existence of disease categories validates the need for drugs," says Mildred Cho, a bioethicist at Stanford University in California. "Companies have an incentive to influence those creating the categories."

Lisa Cosgrove, a clinical psychologist at the University of Massachusetts in Boston, began to worry about such conflicts when she discovered that a majority of the members of a panel formed to consider whether to include "premenstrual dysphoric disorder" in the manual had received money from Eli Lilly. In 2000, Lilly won approval from the US Food and Drug Administration to market Prozac, rebranded as Sarafem, to treat the condition.

Together with Sheldon Krinsky of Tufts University in Medford, Massachusetts, Cosgrove looked at whether members of other *DSM* panels had financial ties to drug firms. Such ties included receipt of funding for research, acting as a consultant and being paid for speaking. Overall, 56 per cent of panel members had such links, and all members of the panels for "schizophrenia and other psychotic disorders" and "mood disorders" had such links (*Psychotherapy and Psychosomatics*, vol. 75, p. 154).

Even subtle changes to the *DSM* can have a big effect on patterns of prescribing.

This is a worry for conditions such as attention deficit hyperactivity disorder (ADHD).

"There has been a gradual broadening of the diagnostic criteria," says James Swanson of the University of California, Irvine.

Cosgrove and Krinsky found that 62 per cent of the *DSM* panel dealing with disorders such as ADHD had links to pharmaceutical firms.

The American Psychiatric Association (APA), which publishes the *DSM*, says its experts are not influenced by their financial ties. However, those recruited for the next edition, to appear in 2011, will be required to declare such interests.

Krinsky argues that the APA should ensure that no *DSM* panel has a majority of members with ties to drug companies. "It is time that the profession of psychiatry takes a serious look at itself from an ethical standpoint," he says.

(Source: by Peter Aldhous, *New Scientist*, 29 April 2006, <http://www.newscientist.com/article/mg19025494.100.html>)

MERGER MAY CREATE AMERICA'S NEW SECRET POLICE

Intelligence experts warn that a proposal to merge two Pentagon intelligence units could create an ominous new agency. The turf grab by a controversial Pentagon intelligence unit is causing concern among both privacy experts and some of the Defense Department's own personnel.

An informal panel of senior Pentagon officials has been holding a series of unannounced private meetings during the past several weeks about how to proceed with a merger between the Counterintelligence Field Activity (CIFA), a post-9/11 Pentagon creation that has been accused of domestic spying, and the Defense Security Service (DSS), a well-established older agency responsible for inspecting the security arrangements of defence contractors. DSS also maintains millions of confidential files containing the results of background investigations on defence contractors' employees.

CIFA, a mysterious and secretive unit created in 2002, became the subject of public controversy when, late in 2005, documents surfaced indicating that CIFA had put together a database that included reports on anti-administration demonstrators including peace activists protesting alleged "war profiteering".

Both Pentagon insiders and privacy



"Why, yes, I am the CEO of a transnational oil company. How did you know?"

experts fear that if CIFA merges with, or, in effect, takes over DSS, there would be a weakening of the safeguards that are supposed to regulate the release of the estimated 4.5 million security files on defence-contractor employees currently controlled by DSS. Those files are stored in a disused mine in western Pennsylvania.

Defence analyst and *Washington Post* blogger Bill Arkin, who first brought allegations about CIFA's domestic spying to light, says that in trying to eliminate waste and better coordinate intelligence activities, "we are creating an American military secret police that is clearly acquiring way too much information and way too much power".

(Source: *Newsweek*, 14 April 2006, <http://www.msnbc.msn.com/id/12290187/site/newsweek/>)

OLD SHIPS' LOGBOOKS UNLOCK EARTH'S MYSTERIES

The Earth's magnetic field has weakened by five per cent each century since 1840, when the first accurate measurements were made. But a new study looking at the magnetic field strength between 1590 and 1840 finds the field was relatively stable during that time.

The modelling of historical magnetic data was started in the early 1980s by study team member David Gubbins, a researcher from the University of Leeds, UK. The researchers began with readily available data like those in the logbooks of famed English sailor and explorer, James Cook.

Gubbins told *LiveScience* that they then "progressed to searching archives in Europe" and also found "50,000 'lost' 18th-century measurements in the East India Company archives in London".

Using the old sailing ships' logbooks, which recorded magnetic field directions useful in reconstructing field strength, and combining these records with a global model of directions, they produced 250 years' worth of measurement data.

This recent finding suggests that the current decline in field strength comes from growing and migrating patches of reverse magnetic flux in the southern hemisphere. The Earth's magnetic field has reversed many times.

The findings of this study are detailed in the 12 May 2006 issue of the journal *Science*.

(Source: *LiveScience*, 11 May 2006, http://www.livescience.com/forcesofnature/060511_magnetic_logs.html)

RFID CHIPS FALL PREY TO EASY HACKING

They can steal your smart card, lift your passport, jack your car, even clone the chip in your arm. And you won't feel a thing.

RFID chips are everywhere: companies and labs use them in access keys, Prius owners use them to start their cars, and retail giants like Wal-Mart have deployed them as inventory tracking devices. Drug manufacturers like Pfizer rely on chips to track pharmaceuticals. The tags are also about to get a lot more personal: next-generation US passports and credit cards will contain RFIDs, and the medical industry is exploring the use of implantable chips to manage patients.

According to the RFID market analysis firm IDTechEx, the push for digital inventory tracking and personal ID systems will expand the current annual market for RFIDs from US\$2.7 billion to as much as \$26 billion by 2016.

Dozens of companies, from Motorola to Philips to Texas Instruments, manufacture the chips. The tags work by broadcasting a few bits of information to specialised electronic readers. Most commercial RFID chips are passive emitters, which means they have no onboard battery; they send a signal only when a reader powers them with a squirt of electrons. Once juiced, these chips broadcast their signal indiscriminately within a certain range, usually a few inches to a few feet. Active emitter chips with internal power can send signals hundreds of feet; these are used in the automatic toll-paying devices that sit on car dashboards, pinging tollgates as autos whiz through.

For protection, RFID signals can be encrypted. The chips that will go into passports, for example, will likely be coded to make it difficult for unauthorised readers to retrieve their onboard information (which will include a person's name, age, nationality and photo). But most commercial RFID tags don't include security, which is expensive. This leaves most RFIDs vulnerable to cloning or—if the chip has a writable memory area, as many do—data tampering. Chips that track product shipments or expensive equipment, for example, often contain pricing and item information. These writable areas can be locked, but often they aren't because the companies using RFIDs don't know how the chips work or because the data fields need to be updated frequently. Either way, these chips are open to hacking.

"The world of RFID is like the Internet in its early stages," says Ari Juels, research manager at the high-tech security firm RSA Labs. "Nobody thought about building security features into the Internet in advance, and now we're paying for it in viruses and other attacks. We're likely to see the same thing with RFIDs."

Take the Future Store. Located in Rheinberg, Germany, the Future Store is the world's pre-eminent test bed of RFID-based retail shopping. All the items in this high-tech supermarket have RFID price tags, which allow the store and individual product manufacturers—Gillette, Kraft, Procter & Gamble—to gather instant feedback on what's being bought. Meanwhile, shoppers can check out with a single flash of a reader. In July 2004, *Wired* hailed the store as the "supermarket of the future". A few months later, German security expert Lukas Grunwald hacked the chips.

Grunwald co-wrote a program called RFDump, which let him access and alter price chips using a PDA (with an RFID reader) and a PC card antenna. With the store's permission, he and his colleagues strolled the aisles, downloading information from hundreds of sensors. They then showed how easily they could upload one chip's data onto another. "I could download the price of a cheap wine into RFDump," Grunwald says, "then cut and paste it onto the tag of an expensive bottle."

Today, Grunwald continues to pull even more elaborate pranks with chips from the Future Store. "I was at a hotel that used smart cards, so I copied one and put the data into my computer," Grunwald says. "Then I used RFDump to upload the room key card data to the price chip on a box of cream cheese from the Future Store. And I opened my hotel room with the cream cheese!"

In 1997, ExxonMobil equipped thousands of service stations with SpeedPass, which lets customers wave a small RFID device attached to a key chain in front of a pump to pay for gas. Seven years later, three graduate students, using a laptop and a simple RFID broadcasting device, tricked the system into letting them fill up for free from a gas station in Baltimore.

(Source: *Wired*, 6 May 2006, http://www.wired.com/wired/archive/14.05/rfid_pr.html)

THE PORT ARTHUR MASSACRE WAS MARTIN BRYANT FRAMED?

*In the 10 years
since the massacre
at Port Arthur,
Tasmania, the
authorities continue
to ignore concerns
that there is no hard
evidence to
implicate Martin
Bryant as the
gunman.*

Part 1 of 3

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Australians reacted with horror and outrage when, on the evening of Sunday 28 April 1996, they learned that over 30 people had been murdered and many others injured in an orgy of violence at the Port Arthur Historic Site (PAHS), Tasmania, one of the nation's most venerable historic sites, and at adjacent locations.

The alleged perpetrator—a young Caucasian male with long blond hair, named Martin Bryant—was apprehended by police the following morning after he emerged from a burning tourist guest house, Seascape Cottage, which was located a short distance from Port Arthur.

Bryant instantly became the most vilified individual in Australian history and was rapidly enlisted in the serial killers' hall of infamy as the world's second-most-lethal gunman. However, the case—which never went to trial—is full of clues, direct and indirect, to suggest that Bryant, a 29-year-old man with an IQ of only 66, was framed.

However, even today, the case is regarded by most people as so delicate that it is considered insensitive to discuss it at all—a perfect means of perpetuating a cover-up, if ever there was one.

Martin Bryant's guilt: the problem of lack of evidence

Strikingly absent from the recent media coverage of the 10th anniversary of the most traumatic event in modern Australian history was evidence to support the official claim that Martin Bryant had been responsible for the massacre.

The matter of whether Bryant had really been the perpetrator was only touched upon in an interview with Bryant's mother, Carleen Bryant, that was published in the *Bulletin* of 4 April 2006:

"She likes to talk about her boy's hair. It's another reason she thinks he has been framed. 'He had beautiful, shampooed soft hair.' Carleen wants to set the record straight. 'The guy who did it had dark, greasy hair and pocked skin. My Martin has lovely soft baby skin.'"

The writer of the report, Julie-Anne Davies, of course does not raise the subject of whether Carleen Bryant has any evidence to support her claims, simply observing patronisingly that Mrs Bryant "lives in a state of denial". As I will show in this report, however, it is Julie-Anne Davies who is living in a state of denial—as are all Australians who think that Martin Bryant was responsible for the tragedy. There is simply no hard evidence to support this belief.

Most Australians, when confronted by the heretical idea that Bryant might not have been the gunman, respond in knee-jerk fashion: "Of course he was! People saw him do it!" In fact, it has never been proven that Bryant was the man "people" saw do it. It was the police and the media, not the eyewitnesses, who identified Bryant as the gunman.

As we shall see, only two eyewitnesses have ever specifically identified Bryant as the perpetrator, and both of them gave their statements a month later—after they had been influenced by the publicity given to Bryant in the media.

If you ignore the media propaganda and study the details of the case, what becomes readily apparent is that there is no evidence that Martin Bryant—alone and to the exclusion of all other young men with long blond hair—executed the massacre. What's more, there are compelling reasons to believe that Bryant could not have done it. As Carleen Bryant told the *Bulletin*, "He didn't have the brains". Above all, he didn't possess the shooting ability.

Bryant's physical appearance

• Age

Of the 40-odd persons who survived the shootings inside the Broad Arrow Café, only a few provided physical descriptions of the gunman. In these, his estimated age is 20 or less. Karen Atkins of Sydney told the *Australian* (29 April 1996) that, very soon after the shootings, she had spoken to a woman who had met the gunman in the café. According to this woman—who can be identified as Rebecca McKenna, on account of the content of the conversation she had with the gunman—he was: "...a young fellow, about 18 or 19. He looked like a surfer. He arrived in a Volkswagen and he walked into the cafeteria carrying a tennis bag."

This description could perhaps be dismissed on the grounds that it is second-hand. However, it tallies with the description given by Carol Pearce. According to Pearce, the gunman, whom she passed on her way into the Broad Arrow Café, was: "...between 18–20 years of age; he had really blonde [*sic*] hair which was collar length; it was fairly straight with a bit of a wave in it. He was clean-shaven, he was average in height and build." Pearce's description is invaluable, as it was given on 28 April 1996, the very day of the massacre. Like the woman to whom Atkins spoke—Rebecca McKenna, as mentioned above—Pearce therefore could not have been influenced by the media campaign of vilification against Martin Bryant. No picture of him had as yet been published.

The same age-range is specified by former RAF officer Graham Collyer, who was shot in the throat inside the café. In his untainted witness statement taken on 7 May 1996, Collyer described the gunman thus: "He seemed somewhere about 20. He had long blonde [*sic*] bedraggled hair, about 3–4 [inches?] below the shoulder. He looked like he might have had a lot of acne. A pitted face. He had scraggly trousers; I don't remember what colour." Collyer is a valuable witness because, in his statement from a second interview on 8 May, he noted: "I still haven't seen anything in the media about the person who shot me. I have been sedated or sleeping since the shooting."

On 10 May, Jim Laycock, who was the co-owner of the Port Arthur Motor Inn at the entrance to the PAHS, told police that the man was in his "low twenties". Another witness, Joyce Maloney, told the police: "I thought he was about 18–22 years old, only a young lad." Betty Daviess described him as a "young male person".

Of the individuals who gave their statements to the police before the barrage of images of Martin Bryant appeared in the media, Carmel Edwards, who held the door open for the gunman as he left the café to eat his lunch on the balcony, and Justin Noble, a member of the New South Wales police force who said he saw the gunman exiting the café after the shooting, gave the oldest age

estimates. Edwards described him as "22–23 years old". Noble described him as "20–25 years of age".

Thus no actual witness to the shootings at Port Arthur cited an age above twenty-five. The only witness who did so (Justin Noble) cited the figure as the top end of the range, and would be equally comfortable with twenty. It would therefore be accurate to say that all actual witnesses said that the man was in his late teens or early twenties.

Yet at the time of the massacre, Bryant was a few days away from his 29th birthday and could not reasonably have been mistaken for anyone under about twenty-seven. This much is clear from a photograph which shows Bryant together with the woman we have been told was his girlfriend: Petra Wilmott. Since the pair reportedly only became romantically involved in February 1996, the photograph had to have been taken within three months



Photo A: This photograph of Petra Wilmott and Martyn Bryant had to have been taken within three months of the massacre.

of the massacre. Despite its poor quality, it shows Bryant's face unframed by hair, and so gives a very good idea of what he looked like at the time. It's obvious from this picture that Bryant was by no means "a young lad". [See photo A]

It is also obvious that those who saw the gunman at close distance and who gave their descriptions before anything about Bryant's appearance had been made public are to be considered by far the most reliable. The only eyewitnesses who estimated the gunman's age in the upper 20s are witnesses like Yannis Kateros, who only saw him from a considerable distance, and most of them gave statements to the police a week or more after the shootings when the matter of Bryant's age had already been established by the media.

Kateros, who gave his statement on 10 May, estimated the shooter's age as twenty-eight. Is it only a coincidence that this is the same age the media were citing for Bryant?

• Facial features

But there were more than years separating Bryant and the Port Arthur gunman. Only one witness, Rebecca McKenna, got a good look at the man's face. (Most witnesses saw very little on account of the long blond hair.) Although there are major problems with her statement—what kind of physical description omits a reference to the person's age?—McKenna's description of the gunman's appearance makes disturbing reading for anyone who thinks that he could have been Bryant:

"I would describe this male as follows:- Approximately 173 cm tall. Slim build. Blonde [*sic*] hair, past his ears, wavy with a part in the middle. Unshaven dirty looking.

"His eyes appeared to be blue... He appeared to be German looking. His eyebrows appeared to be blonde [*sic*] and bushy. He appeared 'dopey' looking, his eyes appeared to be bloodshot. His facial skin appeared to be freckley [*sic*] and he was pale. His face seemed skinny and withdrawn. His ears were fairly large..."

It is interesting that while McKenna's account of the man's conversation was widely quoted—he talked about European WASPs and Japanese tourists—her description of his face was not. Perhaps this is because in no photo does Bryant seem to have bushy eyebrows or prominent ears (indeed, his ears seem to be on the small side). Bryant's most memorable facial characteristic is, in fact, a broad nose with a somewhat bulbous tip—a feature which is obvious from the photos, but never mentioned by any witnesses.

Although McKenna's description is uniquely detailed, it is at least partly corroborated by that of Graham Collyer who, as we saw, stated that the shooter's complexion was acne-scarred. However, Bryant's complexion is perfectly smooth, as all available photographs show. In particular, the photos taken at Richmond by Petra Wilmott three days before the massacre show a healthy, ruddy face.

McKenna's description of the gunman's height is certainly odd: she makes an estimate of the gunman's height that gives an exact figure ("approximately 173 cm"). It would be interesting to compare this most precise "estimate" with Bryant's real height, except that nowhere on record can one find his height specified. If McKenna's figure of 173 cm is correct, though, this would surely raise questions about whether McKenna had been influenced by police during the course of giving her statement.

• Hair

Another problem for the official story is raised by Bryant's hair. The photos taken at Richmond show that it was wavy throughout, not "fairly straight with a bit of a wave in it" as Pearce stated. Yet most witnesses said that the gunman's hair was straight, with a wave only at the bottom. Witness statements fluctuate between those that said his hair was collar-length and those that stated that it went down to his shoulders.

The aforementioned photos of Bryant taken at Richmond raise questions about his hair colour. According to one witness, a Mr Woods, the gunman stood out by virtue of his "white surfie hair and clothes". Yet in the 25 April 1996 portrait of Bryant that was featured on the cover of *Who Weekly* magazine on 2 November



Photo B: Close-up of the Martin Bryant photo, headlined "Australian Psycho", on the cover of *Who Weekly* (2 Nov 1996)

1996, Bryant's hair is very clearly brownish with blond highlights and streaks. **[Photo B]** Further doubts about the whiteness of Bryant's hair are raised by the news footage showing Bryant arriving at the Royal Hobart Hospital. In frames from this video footage—the last images of the accused man ever captured—it is apparent that he had brownish hair with blond streaks, rather than white or "really blond" hair. (It is also obviously collar length.) **[Photo C]** One possibility is that the real gunman had simply peroxided his hair in an effort to emulate Bryant's hair, which may have looked white or blond in very strong sunlight.

Bryant identified as the gunman?

In terms of the allegation that the witnesses have identified Bryant as the man they saw shooting at the PAHS, the most serious difficulties are raised by Jim Laycock in his statement. Laycock is of outstanding importance in this case, as he is the one and only witness who observed the gunman in the act and actually knew Bryant. In his police statement, Laycock—who, as noted earlier, got a good enough look at the man to be able to estimate his age ("low twenties")—said that he "did not recognise the male as Martin Bryant".

He stated only that he saw "a blonde [*sic*] headed person" shoot Zoe Hall and take Glenn Pears captive.

Another witness, Yannis Kateros, said he had never seen the gunman before. Yet Kateros had lived at Port Arthur since 1991, and, according to Laycock, Bryant had visited the PAHS on about a dozen occasions in the five-year period between about 1991 and 1995.

At least two other witnesses have also stated that Bryant was not the gunman. These are PAHS Information Centre employee Wendy Scurr, who, according to one report, saw the gunman inside the centre immediately prior to the attack, and Vietnam War veteran John Godfrey, who was waiting outside the centre when the shooting commenced. Godfrey viewed the gunman twice. He saw him drive by and saw him put a bag into the boot of his car. "In my opinion the picture I saw in the newspapers was not the same person," he stated in his police statement taken on 7 June

Of the 40-odd persons who survived the shootings inside the Broad Arrow Café, only a few provided physical descriptions of the gunman.



Photo C: Video still photo (left) of Martin Bryant arriving at Royal Hobart Hospital on the morning of 29 April 1996.

1996. Wendy Scurr has changed her mind on the subject; she no longer believes that Bryant was the man she saw that day.

So when people tell me that everyone knows that Bryant "did it" because people saw him doing it, I tend to wonder which witnesses they can possibly be referring to. To my knowledge, the only witnesses who positively identified Bryant as the gunman were Linda White and Michael Wanders, both persons whose statements were taken a full month after the shooting, after they had been exposed to plenty of media coverage about the case.

On 27 May 1996, White viewed the 14 May police photoboard and decided: "Photograph no. 5 in this folder [i.e., Bryant] is the male who shot us near Port Arthur." However, White's only reason for selecting photo no. 5 seems to have been because of the fact that, in this photo, Bryant appeared to be wearing a top that was "very similar" to that worn by the gunman. "It could even be the same top," she said.

Unfortunately, White's statement is of no value whatsoever. An identification can scarcely be based upon an item of clothing, which can obviously be worn by another person. (Indeed, someone seeking to impersonate Bryant would have taken care to acquire an item of his clothing, or at least a very similar item.) What's more, no previous witness recalled the gunman wearing the same top as that worn by Bryant in photo no. five. White was clearly basing her identification entirely upon a photo she had seen in the media.

As for Michael Wanders, in his statement taken the same day as White's, he picked Bryant out from the police photoboard as "the person who shot at Linda and I on 28/4/96". Unfortunately, Wanders's identification is also of no value. On 28 April 1996, he told the police: "I would not be able to identify the person who shot at us." In his statement a month later, he admitted that he hadn't been able to "get a good enough look at the male to see how old he was or what he was wearing". His statement suggests that, really, all he had seen was a male with long blond hair. Yet, somehow, his original statement did not deter him from picking Bryant out from the police photoboard a month later as the man who had shot at him. It is hard to credit the positive identification

of Bryant a month after the attack by a witness who, on the day of the attack itself, told the police explicitly that he would not be able to identify the gunman.

White's and Wanders's statements prove one thing: not that Bryant perpetrated the shootings, but that the laws prohibiting media organisations from publishing photos of accused persons before they have been tried are sensible ones which ought always to be rigorously enforced.

In view of the fact that no serious efforts were ever made to prevent the media from publishing photos of Bryant, the question has to be asked whether the police ever wanted the gunman properly identified, or whether they colluded with the media in the release of these photos in a deliberate effort to taint the pool of witness testimony. Certainly, they seem to have done their best to avoid placing Bryant together with eyewitnesses in the same room. Graham Collyer, who was on the same floor as Bryant in the Royal

Hobart Hospital on the day his witness statement was taken, was never given the opportunity to look at him. On this occasion, a positive ID could have been obtained in a matter of minutes, if the police officers taking his statement had really wanted one.

In this regard, it is striking that none of the witnesses who showed a tendency *not* to identify Bryant as the gunman was given the opportunity to pick him out from the police identity board—even NSW police officer Justin Noble, who said that he thought he could identify the man if shown a photo of him taken from the appropriate angle. The fact that Noble was never asked to view the police photoboard implies that Tasmania police anticipated a negative response.

A related issue is the uncertainty that surrounds the matter of the gunman's clothing. In no context of which I am aware did the allegations against Bryant ever raise the matter of the items of clothing that the gunman had been seen wearing. It is striking that there is no consistent evidence as to the colour of the gunman's clothing; one can only wonder whether witness statements were tampered with to prevent a clear picture from emerging, for fear that it would raise the question of whether there was any proof that Bryant had ever owned the items.

It is only when one realises that Bryant has never been positively identified as the PAHS shooter that one begins to understand why a court trial was never held. If a trial had been held, the authorities would have been in an extremely awkward position if some witnesses had either denied that Bryant was the man or expressed serious doubts about the identification. That a trial was avoided means that such problems were never permitted to arise. It is hard not to see why the legal strategy took the form of coercing Bryant into pleading guilty to all 72 charges against him—a process that took seven months—rather than risk the case going to trial.

Lack of Bryant's fingerprints or DNA at Port Arthur

Martin Bryant is adamant that he never visited the PAHS on the day of the massacre. Most Australians—if they knew of this denial at all—would probably dismiss it as a lie. A fact that should deeply unsettle them is that

neither Bryant's fingerprints nor his DNA has ever been found at the PAHS. This much has effectively been conceded by Sergeant Gerard Dutton, officer in charge of the Ballistics Section of Tasmania Police, in an article he wrote about the case which was published in the December 1998 *Australian Police Journal*.

There is no good reason why no evidence of this kind exists. An obvious source of fingerprints and DNA would have been the food tray (with a can of Solo soft drink, a plastic Schweppes cup, food items and eating utensils) that Rebecca McKenna saw the gunman eating from immediately prior to the shooting. We know that the tray was recovered by the police, because it is shown in a police training video that turned up in a second-hand shop in September 2004. Although the tray would have contained fingerprints, thumb prints, palm prints, saliva, sweat, skin and possibly hair from the shooter, there is no evidence that it yielded anything that came from Martin Bryant. The only reason we have heard nothing about

...it is striking that none of the witnesses who showed a tendency *not* to identify Bryant as the gunman was given the opportunity to pick him out from the police identity board.

forensic evidence of this kind, surely, is that none of it incriminated him.

It is true that Damian Bugg, QC, is on record as giving the impression that a sample of Bryant's DNA was found on a large knife that is suspected of having been used to murder David Martin at Seascapè Cottage, a few kilometres from the PAHS. Bugg said that the knife was subjected to a "very refined test" which allegedly yielded "a DNA sample which was unable to be identified initially but it has now been identified as being consistent with that of Martin Bryant". (The public has never been told what the source of the DNA was—whether it was blood, for example, or some other substance. If it was Bryant's blood, this would imply that Bryant was a victim rather than a villain.)

It is, however, a mystery how Tasmania Police came by this knife. According to the official story, the knife was found inside a Prince sports bag that was discarded by the gunman inside the Broad Arrow Café. However, after the gunman exited the café, several witnesses looked inside the bag and none of them observed a large knife there.

What's more, "Jamie", the perpetrator of the subsequent siege at Seascapè Cottage (by the way, the official claim is that Bryant was "Jamie"), mentioned having a large combat knife in his possession during the course of a phone call with police interrogator Sergeant Terry McCarthy on the evening of 28 April. If this is the knife Bugg is referring to, then it could only have emerged from the Seascapè fire in a condition that rendered it useless for forensic purposes.

The mystery over the knife may explain why Bugg's terminology verges on the devious. The DNA on the knife, he tells us, is "consistent with" that of Martin Bryant. However, DNA either is or is not a match. If the DNA matched Bryant's, Bugg should have been able to say so. The term "consistent with" is semantic sleight-of-hand designed to encourage the misperception among those who know nothing about DNA testing that the DNA had been Bryant's. In fact, the term "consistent with" means little in this instance. It could plausibly refer to DNA sequences found in every one of us. It is entirely possible that the DNA sample to which Bugg is referring is also "consistent with" both your DNA and mine!

In any case, it is obvious that the presence of Bryant's DNA on the knife would do nothing to prove that he was the Port Arthur shooter. Even if his DNA had been found on the knife, and we were so rash as to draw the conclusion that the presence of his DNA proved that he had killed David Martin (which of course it doesn't), this does not constitute evidence that Bryant was the Port Arthur shooter. The man who did stab David Martin could have been party to a conspiracy to frame Bryant. He could have stabbed both David Martin and Martin Bryant with the same knife, for instance. If so, the relevant question is whether anyone else's DNA was on the knife, in addition to that of David Martin and Martin Bryant. The real killer's DNA could have been all over the knife, but we will never know because Tasmania's Director of Public Prosecutions was only interested in telling the public about a sample that was "consistent with" Bryant's DNA.

Everything to do with the knife is extremely suspicious indeed. Since David Martin was murdered by being shot twice rather than by being stabbed, the sole point of stabbing him would seem to have been to plant a sample of his blood on the knife. The only reason for "Jamie" at Seascapè to specifically inform Sergeant McCarthy that he had a large combat knife in his possession would have been to provide a link between Martin Bryant and the murder of David Martin. So Jamie appears to have been trying to frame Bryant. This is very hard to explain if we believe that Bryant was himself Jamie. Why would Bryant have wanted to incriminate himself? And even if Bryant had been perverse enough to want to incriminate himself by leaving the knife he had used to stab David Martin some place where the police would be able to find it later, why did he subsequently deny murdering him?

Abundant examples of Bryant's fingerprints and DNA should have been retrieved from the Volvo driven by the gunman into the Port Arthur Historic Site, but no such evidence was recovered from the vehicle—a circumstance that seems most difficult to explain.

Nonetheless, there is an explanation—one that, understood in its true light, amounts to evidence that the yellow Volvo used by the Port Arthur shooter was not Bryant's.

A little-known fact about the case is that the Volvo was left in the open air, at the tollgate, for the night of 28–29 April. (It was still there at the tollgate at 9.00 am on 29 April, when Peninsula resident Michael Copping, a witness to movements of the Volvo on 28 April, saw it while on his way to collect PAHS worker Steven Howard from Port Arthur. By the way, Copping didn't identify Bryant as the driver, although he said in his statement of 10 May that he had known him "through casual contact".) With the vehicle's rear passenger-side window missing (the gunman presumably removed it as a means of minimising the noise/blast effect of shooting from the driver's seat), fingerprints and DNA inside the vehicle would have been vulnerable to the effects of night moisture. In fact, according to police, the overnight moisture eliminated all traces of fingerprints and DNA.

The question inevitably has to be asked of why the police did not take due care to ensure the preservation of whatever fingerprints and DNA were inside the

car. At this stage—and recall here that Bryant was not taken into custody until the morning of 29 April—fingerprints and DNA inside the car represented essential proof of the perpetrator's identity. As darkness descended on the Tasman Peninsula on 28 April, the only reason to connect the massacre to Bryant was a passport that reportedly had been found inside the Volvo at around 4.30 pm by a detective. At this time, the fingerprints and DNA from the Volvo therefore represented the most reliable means of determining whether the greatest homicidal maniac in Australian history had really been Bryant (as the presence of the passport suggested) or someone else. It would have been absolutely critical to preserve them in as perfect condition as possible for use during future criminal proceedings.

The fact that a major portion of the evidence required for the purpose of identifying the perpetrator vanished overnight invites only one sound conclusion: the police *wanted* it to vanish.

...according to most witnesses, the Broad Arrow Café shooter shot from his right hip. Not only is Bryant left-handed, he told police he had never fired a gun from his hip.

Unless the police had a reason *not* to want the massacre connected to Bryant (and I know of no evidence that would invite such a possibility), the outcome is consistent with only one conclusion: Tasmania Police did not want evidence to survive that would have proven that Bryant had *not* been the person using the car that afternoon. The Port Arthur shooter therefore has to have been someone other than Bryant whose identity the police were anxious to protect.

Bryant's "gunmanship"

For many people, the most important reason to doubt that Bryant was the killer is on account of the latter's impressive gunmanship. In 1998, *Wound Ballistics Review* pointed out that the Port Arthur incident: "...is unique in relation to the wounds for several reasons. Twice as many people were killed as injured (the reverse normally being true)."

What's more, the Broad Arrow Café gunman managed to shoot the first 19 out of 20 people dead with single accurate shots to the head, fired from his right hip. Some researchers maintain that Bryant, who was an amateur shooter with virtually no shooting experience whatsoever, would have entirely lacked the skills to carry out such a feat. A powerful case has been made to this effect by Perth researcher Joe Vialls (now deceased), based on the fact that amateur shooters generally achieve a much lower KIR (killed-to-injured ratio) than did the Broad Arrow Café shooter. In an enclosed space like the Broad Arrow Café, targets would have to be shot in a careful sequence with split-second timing to maximise the kill rate. Yet the Broad Arrow Café gunman managed a kill rate well above that required of a fully trained soldier—an impossible task for a man like Bryant, with an IQ in the mid-60s and his total lack of military training. Vialls concluded that the shooter was a military-trained marksman who would probably rank among the top 10 or 20 shooters in the world.

Brigadier Ted Serong, former head of Australian forces in Vietnam, was just as impressed. In 1999, Serong—who explained that his eyes had first been opened by the "astonishing proportion of killed to wounded"—told Melbourne newspaper the *Age*:

"There was an almost satanic accuracy to that shooting performance. Whoever did it is better than I am, and there are not too many people around here better than I am."

One reason why most members of the general public have accepted the official story that Bryant was the gunman is that they possess a greatly exaggerated idea of what amateur gunmen are able to do. Not only do amateurs tend to injure many more persons than they kill, they are usually overpowered before they have completed their sinister work. By contrast, the Port Arthur gunman was a thorough professional who was at all times in perfect control. Vialls wrote:

"The shooter in the Broad Arrow Café at Port Arthur demonstrated all of the qualities of a trained counterterrorist marksman but made no amateur mistakes. Always in motion and point-shooting from the right hip with devastating accuracy, he

killed twenty of the occupants with single shots to the head and wounded twelve more, firing a total of only 29 rounds. Using known techniques reported by witnesses, he ensured his own safety from attack by turning on the spot and staying outside grappling range. It was an awesome display of expertise, even by special forces standards."

However, we don't have to take the word of people like Vialls and Serong who never saw the Port Arthur gunman shoot with their own eyes. According to eyewitness (and victim) Neville Quin: "He [the gunman] appeared to be the best-trained army guy I've ever seen; his stance was unbelievable."

Also important to consider is that, according to most witnesses, the Broad Arrow Café shooter shot from his right hip. Not only is Bryant left-handed, he told police he had never fired a gun from his hip. We should believe him. It is doubtful that anyone except a highly trained professional shooter could.

Weapons and ammunition used at Port Arthur

The prosecution claims that Bryant perpetrated the massacre using two firearms, a Colt AR-15 semi-automatic .223 mm rifle and a Belgian FN-FAL semi-automatic .308 mm SLR (self-loading rifle), both of which were recovered from Seascapes Cottage after detectives went over the burned-out site on the afternoon of 29 April 1996. However, it is not clear whether these were really the weapons used at Port Arthur. Both were recovered in a badly damaged condition which effectively ruled out ballistics testing.

However, the matter is complicated by the fact that the earliest newspaper reports do not mention a Colt AR-15. No eyewitness mentions it either. Graham Collyer said that the weapon used by the gunman inside the Broad Arrow Café "looked like a standard SLR service semi-automatic". This description is more consistent with the FN-FAL than the Colt AR-15, although it is this latter weapon that we are now told was the weapon used inside the café.

The day after the massacre, the *Examiner* reported that police had found a .223 mm Armalite M16 at Port Arthur. Nothing has been heard since about the weapon that was found that day inside the PAHS. Then, on 1 May 1996, the *West Australian* told the public that the two weapons used had been a 5.56 mm Armalite AR-15 and a Chinese-made SKS .762 mm assault rifle. It is

interesting that it took only two days for the Armalite M16—a prohibited import—to disappear from the public record, to be replaced by a weapon which could be legally bought and sold in Australia. From this point onwards, the SKS became the weapon most frequently referred to in the media as the weapon "Bryant" had used. Then, finally, the SKS was dropped altogether and its place in narratives of the massacre was taken by the Belgian FN-FAL. To me, these intriguing shifts look like shifts from the real murder weapons to weapons that could be connected to Bryant, if only because, like him, they also emerged from the Seascapes inferno.

"There was an almost satanic accuracy to that shooting performance. Whoever did it is better than I am, and there are not too many people around here better than I am."

— Brigadier Ted Serong, former head of Australian forces in Vietnam.

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ADVERSE HEALTH EFFECTS OF INDOOR MOULDS

Moulds and the mycotoxins they produce are a growing threat to health around the world, and tests to detect and diagnose them need to be adopted on a wide scale.

by
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From: http://www.acnem.org/journal/23-1_april_2004/indoor_moulds.htm

Introduction

In recent years, public attention has become increasingly focused on the very real problem of mould (fungi) inside both home and workplace and on the very real dangers to human health posed by such mould exposure. This position paper is presented by the American Academy of Environmental Medicine (AAEM) to describe the current knowledge of adverse health effects of indoor mould. There is considerable evidence in the medical literature validating the many different health effects reported in airborne-mould-exposed patients.

Indoor airborne mould exposure frequently causes adverse human health effects with injury to and dysfunction of multiple organs and systems including: 1) respiratory, 2) nervous, 3) immune, 4) haematological systems, and 5) the skin. Indoor mould is also a common cause of life-threatening systemic infections in immuno-compromised patients.

Moulds are Common in the Indoor Environment

Fungi (or moulds) are ubiquitous in both indoor and outdoor environments. Moulds are frequently spread by airborne spores. Mould and mould spores require moisture and a food source like cellulose or decaying food to grow.¹ As mould spores swell with water and grow, they elongate, forming balloon-like protuberances (hyphae) which secrete digestive enzymes and mycotoxins. The fungus then digests the food source to support its growth.

About 100,000 fungal species have already been identified; in fact, fungi are estimated to comprise an astounding 25% of the world's biomass.² Various surveys of homes in North America and Europe have reported that visible mould and/or water damage are found in 23% to 98% of all homes.³⁻⁶ There are no official standards, at this time, for indoor airborne fungus concentrations. However, indoor fungal levels above a range of 150 to 1,000 colony-forming units per cubic metre of air (cfu/m³) are considered to be sufficient to cause human health problems.^{4,7-9} Numerous reports have documented that indoor air can often be contaminated with indoor fungal spore levels well in excess of 1,000 cfu/m³. The most common indoor fungi generally collected are *Cladosporium*, *Aspergillus* and *Penicillium*. *Alternaria*, *Stachybotrys*, *Rhizopus*, *Mucor*, *Wallemia*, *Trichoderma*, yeasts, *Botrytis*, *Epicoccum* and *Fusarium* species are often being found indoors as well.¹⁰⁻¹⁷

Foreclosures, lawsuits and insurance claims due to mould problems are common. Policyholders of America reports receiving about 50 calls a week about homes with mould problems undergoing foreclosure.¹⁸ In 2002, an estimated 10,000 mould-related cases were pending in US courts.¹⁹ In 2002, the insurance industry paid out US\$2 billion in mould-related claims in Texas alone.²⁰

Mould Related Health Symptoms are Common and Varied

Many patients have been reporting multiple ill health effects from their exposures to mould. Studies of more than 1,600 patients suffering ill effects from fungus exposure were presented at one meeting in Dallas in 2003 (21st Annual Symposium of Man and His Environment, Dallas, Texas, June 2003¹⁹⁻²²).²¹⁻²⁵ To cite a couple of studies...

Lieberman²¹ examined 48 mould-exposed patients who had the following health problems: 1) muscle and/or joint pain, 71%; 2) fatigue/weakness, 70%; 3) neurocognitive dysfunction, 67%; 4) sinusitis, 65%; 5) headache, 65%; 6) gastrointestinal problems, 58%; 7) shortness of breath, 54%; 8) anxiety/depression/irritability, 54%; 9) vision

problems 42%; 10) chest tightness, 42%; 11) insomnia, 40%; 12) dizziness, 38%; 13) numbness/tingling, 35%; 14) laryngitis, 35%; 15) nausea, 33%; 16) skin rashes, 27%; 17) tremors, 25%; and 18) heart palpitations, 21%.

Rea's²³ study of 150 indoor-mould-exposed patients found the following health problems: 1) fatigue, 100%; 2) rhinitis, 65%; 3) memory loss and other neuropsychiatric problems, 46%; 4) respiratory problems, 40%; 5) fibromyalgia, 29%; 6) irritable bowel syndrome, 25%; 7) vasculitis, 4.7%; and 8) angio-oedema, 4.0%.

These clinical reports demonstrate the multi-system adverse effects of airborne mould. There is now considerable evidence in the medical literature that indoor airborne fungus exposure can cause numerous adverse health effects in multi-organ systems.

Mechanisms of Mould-Related Health Effects

Fungi can exert ill health effects by three mechanisms: 1) infection; 2) allergy; and 3) toxicity.

Serious infections by such fungi as *Candida*, *Aspergillus* and *Pneumocystis* are common and mostly involve severely immuno-compromised patients.²⁶⁻²⁸ Fungi such as *Candida*, *Histoplasmosis*, *Cryptococcus*, *Blastomyces* and *Coccidioides* can infect internally immuno-competent people.²⁹ Fungi such as *Trichophyton*, *Candida* and *Malassezia* commonly cause minor skin infections in immuno-competent humans.²⁸

At least 70 allergens have been well characterised from spores, vegetative parts and small particles from fungi (0.3 microns and smaller).^{30,31} Allergies to fungal allergens are very common, with a review of 17 studies finding that 6%–10% of the general population and 15%–50% of atopics had immediate skin sensitivity to fungi.³²

Fungi produce a wide variety of toxic chemicals called mycotoxins.^{1, 33, 34} Some common mycotoxins include:

1) Aflatoxins: very potent carcinogens and hepatotoxins produced by some *Aspergillus* species;

2) Ochratoxins: nephrotoxic and carcinogenic; produced by some *Aspergillus* and *Penicillium* species;

3) Sterigmatocystin: immuno-suppressive and a liver carcinogen produced by *Aspergillus* species, especially *A. versicolour*; and

4) Trichothecenes: produced primarily by *Stachybotrys* and *Fusarium* species, and reported to inhibit protein synthesis and cause haemorrhaging and vomiting.

Fungi also produce beta glucans which have immunological effects.³⁵

The smell of moulds comes primarily from volatile organic compounds.³⁶

Adverse human and animal effects from mycotoxin-contaminated foodstuffs have been well recognised since the early 20th century.^{33,37} But the pathway of mycotoxin injury through inhalation is questioned.³⁸

In the absence of ethical, controlled studies on human-inhaled mycotoxin exposure, only animal-controlled exposure and human

epidemiology studies can be used. The literature demonstrates that significant amounts of mycotoxins (including ochratoxin, sterigmatocystin and trichothecenes) are present in indoor dust³⁹⁻⁴³ and in fungal spores which can be absorbed through the respiratory route.^{34,37,44,45} Patients exposed to indoor *Stachybotrys* have been found to have measurable blood levels of the *Stachybotrys* haemorrhagic toxin stachylysin.⁴⁶ Levels of trichothecene mycotoxins in the urine have also been found in significantly higher levels in patients exposed to high indoor fungus levels, as opposed to a control group not exposed to high indoor fungus levels.⁴⁷ Blood ochratoxin levels have been found to be significantly higher in food industry workers exposed to airborne ochratoxin versus in unexposed controls.⁴³ These findings clearly demonstrate an inhaled pathway for entry into the body.

Sampling for Mould Exposure

Indoor fungus sampling is most commonly performed by measuring airborne levels of viable (culturable) or total (viable and non-viable) spores.^{48,49} Some of the airborne viable sampling methods, such as Andersen samplers, collect air for only a few minutes.

Settle plates are an inexpensive method to get a semi-quantitative measure of indoor airborne fungus levels. Viable and non-viable airborne spore counts can vary considerably over a period of minutes, so air sampling over several periods of time may be necessary to characterise airborne fungal spore levels accurately.^{48,49}

However, airborne fungus measurements fail to take into consideration non-airborne mould contamination such as mould contamination in dust or surfaces (often visible to the naked eye) and mycotoxins in air, dust and on surfaces.^{48,50} Therefore, testing the settled dust for fungi and mycotoxins is often recommended.^{48,49} In order to secure a more complete assessment, therefore, it is often recommended that airborne measurements be supplemented by testing for moulds

and mycotoxins in already-settled dust or air.^{48,49}

Other techniques such as PCR (polymerase chain reaction), ELISA (enzyme-linked immunosorbent assay) and measurement of fungal volatile organic chemicals, polysaccharides, ergosterol and beta glucans can also be useful in assaying indoor environments for moulds and their allergens and mycotoxins.⁴⁸

For a helpful overview of sampling methods, please see Pasanen⁴⁸ and Macher.⁵¹ For an informative guide to the classification, identification and biology of common indoor fungi, see Samson.¹ Several good guides exist for prevention and remediation of indoor fungi problems.⁵¹⁻⁵³

Indoor Mould Exposure and Respiratory Problems

Many epidemiological studies have noted that residential exposure to moulds and/or chronic dampness can increase asthma/wheezing incidence or morbidity in both children and adults.^{4-6,54-67} Asthma and related conditions are very common in

...significant amounts of mycotoxins are present in indoor dust and in fungal spores which can be absorbed through the respiratory route.

the USA, with an overall incidence of about 5.4% among all age groups and incidences as high as 27% in inner-city children.⁶⁸ Studies with infants have reported that higher fungal exposures are associated with more wheezing, coughing and respiratory illness.^{69,70} Higher indoor beta glucan levels have been associated with significantly higher levels of chest tightness and joint pain.⁷¹ Non-industrial occupational mould exposure has been reported to be associated with significantly higher levels of asthma, sinusitis, irritated skin and eyes, and chronic fatigue.⁷²⁻⁷⁶

One study found that patients exposed to high indoor fungus levels had significantly lower lung function than unexposed controls.²⁴ Higher outdoor fungal concentrations have been linked to higher asthma death rates⁷⁷ and high asthma incidence^{78,79} in children or young adults. Challenge exposures with *Penicillium* and *Alternaria* extracts equivalent to high outdoor levels of fungus were noted to lower lung function severely in asthmatics.⁸⁰ Skin sensitivity to *Alternaria* has been linked to much higher risk of respiratory arrest.⁸¹ Various epidemiological studies have linked skin sensitivity to common indoor fungi and higher asthma incidence or severity⁸²⁻⁸⁶ and higher rates of sinusitis.⁸⁷

Airborne fungal exposure causes sinusitis, bronchopulmonary aspergillosis and hypersensitivity pneumonitis.⁸⁸⁻⁸⁹ An estimated 14% of the US population suffers from rhinosinusitis and related conditions.⁹⁰

Allergic fungal sinusitis was diagnosed on the basis of fungal growth in nasal secretions and the presence of allergic mucin in 93% of 101 consecutive patients undergoing sinus surgery.⁹⁰ Another study was able to recover and culture fungi from the sinuses of 56% of 45 patients undergoing endoscopic sinus surgery for chronic rhinosinusitis.⁹¹ A long-term cohort study of 639 patients with allergic fungal sinusitis demonstrated that remedial steps taken to reduce fungal exposure (by utilising, for example, air filters, ionisers, moisture control systems and antimicrobial nasal sprays) significantly reduced rhinosinusitis and improved nasal mucosa morphology. This study concluded that failure to reduce airborne fungus levels to less than four per hour on a settle plate failed to resolve the sinusitis.²²

Although, historically, antifungal drugs have generally not been recommended for treatment of fungal sinusitis,⁸⁸⁻⁸⁹ recent studies have found beneficial effects of oral and nasal medication for sinusitis patients.^{22,92} Several studies have linked residential exposure to fungi with hypersensitivity pneumonitis.⁹³⁻⁹⁵

Stachybotrys and Haemorrhagic Effects

Exposure to high indoor levels of *Stachybotrys*, *Aspergillus* and other fungi has been epidemiologically associated with infant lung haemorrhage.⁹⁶⁻¹⁰⁰ Although questions were raised after this association was discovered,¹⁰¹ it meets many

epidemiologic criteria for causality.¹⁰² Acute infant pulmonary haemorrhage can be rapidly fatal; when the infant survives, lung blood vessel damage is present and deposits of haemosiderin will remain in the lung macrophages and can be seen in tissue obtained during bronchoscopy.⁹⁷

Stachybotrys fungi produce a wide range of trichothecene mycotoxins (including satratoxins), several roridin epimers, verrucarins J and B and haemolysin.^{34,99} A haemorrhagic protein called stachylysin has been isolated from *Stachybotrys* collected from homes of infants with lung haemorrhage^{103,104} and from serum of patients with residential *Stachybotrys* exposure.⁴⁶ It is hypothesised that infants, with their rapidly growing lungs, are more susceptible to the toxic effects of *Stachybotrys* mycotoxins.¹⁰⁵

Studies with *Stachybotrys*-exposed adults have noted a significantly higher incidence of health problems such as lower airway problems, wheezing, skin and eye irritation, flu-like symptoms and chronic fatigue.¹⁰⁶ *Stachybotrys* has been isolated from the lungs of a child with pulmonary haemosiderosis.¹⁰⁷

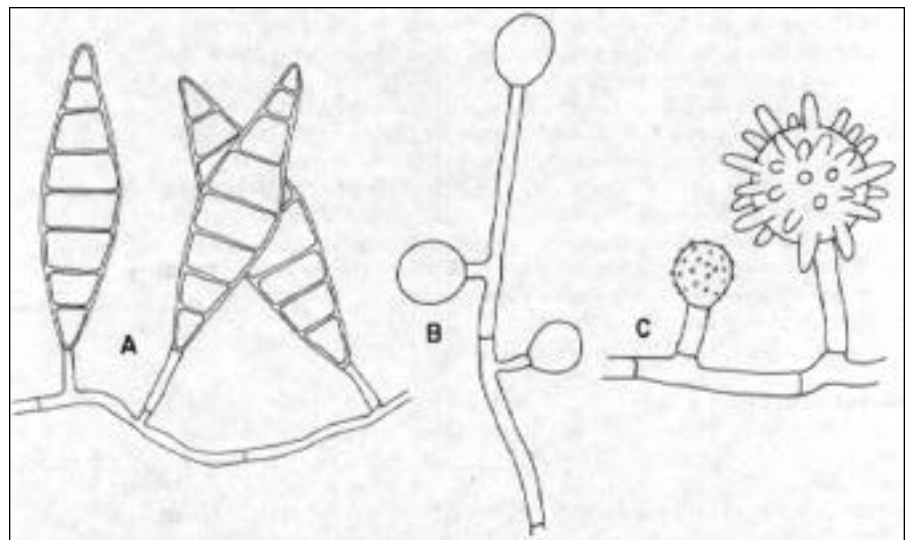
Immunological Changes

Fungal exposure can alter immunological parameters. Some studies have reported that indoor-fungus-exposed patients have higher

serum levels of IgG, IgA and IgM antibodies to common fungi, trichothecenes and satratoxins.¹⁰⁸⁻¹¹⁰ IgG antibodies to nine common indoor fungi were significantly higher in subjects with sinusitis, versus non-sinusitis subjects in a mouldy school.¹¹¹ Other studies note no significant increases in fungal IgG^{112,113} or fungal IgE¹⁰⁸ in fungus-exposed patients.

Indoor fungal exposure has been associated with altered levels of T4, T8 and NK cells and higher levels of auto-antibodies.^{23,114,115} Indoor glucan exposure has been associated with a lower proportion of cytotoxic T cells (CD8+SF61+) and with secretion of tumour necrosis factor higher than from homes with lower levels of beta-glucans.¹¹⁶

**Fungal exposure
can alter immunological
parameters.**



The figure above illustrates some fungi of medical importance. A: *Microsporium*, causative agent of ringworm and other skin diseases. B: *Blastomyces dermatidis*, causative agent of North American blastomycosis. C: *Histoplasma capsulatum*, causative agent of histoplasmosis.

(Source: <http://www.botany.utoronto.ca/ResearchLabs/MallochLab/Malloch/Moulds/Source.html>)

Studies of animals orally given such common mycotoxins as aflatoxins, ochratoxins and trichothecenes show considerable immune impairment, including depression of T cell, B cell and macrophage immunities.¹¹⁷ Human cell-line studies have also found that many mycotoxins can suppress T cell, B cell and NK activity at serum concentrations similar to those found in indoor-mould-exposed patients.¹¹⁸

Thus, airborne exposure to mycotoxins is seen to cause harmful effects to the immune system.

Neurological Dysfunction

Indoor airborne mould exposure causes neurologic dysfunction and cognitive deficits. Clinical reports on large numbers of mould-exposed patients found significant fatigue and weakness in 70%–100% of cases, and neurocognitive dysfunction including memory loss, irritability, anxiety and depression in over 40% of the patients. Numbness, tingling and tremor were also found in a significant number of patients.^{21,23} These signs and symptoms constitute classic manifestations of neurotoxicity.¹¹⁹

A study of 43 mould-exposed patients found they performed significantly more poorly than 202 controls on many neuropsychiatric tests including balance sway speed, blinking reflex, colour perception, reaction times and left grip strength ($P < 0.0001$ in each case).¹²⁰

Quantitative electro-encephalogram studies have also noted significant longer nerve latencies in fungus-exposed patients.¹²⁰ A triple-headed SPECT brain scan revealed neurotoxic patterns in 26 of 30 (87%) mould-exposed patients.¹²¹

An iriscorder study of autonomic nervous function in 60 mould-exposed patients found 95% had abnormal autonomic responses of the pupil.²³ Visual contrast sensitivity studies were often

abnormal in indoor-mould-exposed patients.²³

Additional studies have reported that mould-exposed patients do significantly more poorly on tests of attention, balance, reaction time, verbal recall, concentration, memory and finger tapping.^{24, 122–124} Most of these patients also experienced many health problems including chronic fatigue, headaches, insomnia, and decreased balance, concentration and attention.

Studies of 10 indoor-mould-exposed children and 378 indoor-mould-exposed adults found significantly more neurophysiological abnormalities than in controls; these included abnormal EEGs and abnormal brainstem, visual and somatosensory-evoked potentials as compared to 10 control children.^{25, 125}

The large number of objective neuropsychological findings in symptomatic patients support the findings that exposure to indoor moulds can have adverse health effects.

Renal Dysfunction

Exposure to fungi may also cause kidney dysfunction. It is well known that ochratoxin-contaminated food is

nephrotoxic.^{126, 127} Indoor exposure to ochratoxin may also be nephrotoxic. A study was presented of a family who presented with increasing thirst and urination, lethargy and skin rash. Considerable amounts of ochratoxin were found in the house dust. The family recovered after moving to another home.³⁸

Life-Threatening Fungal Infections in the Immuno-Compromised

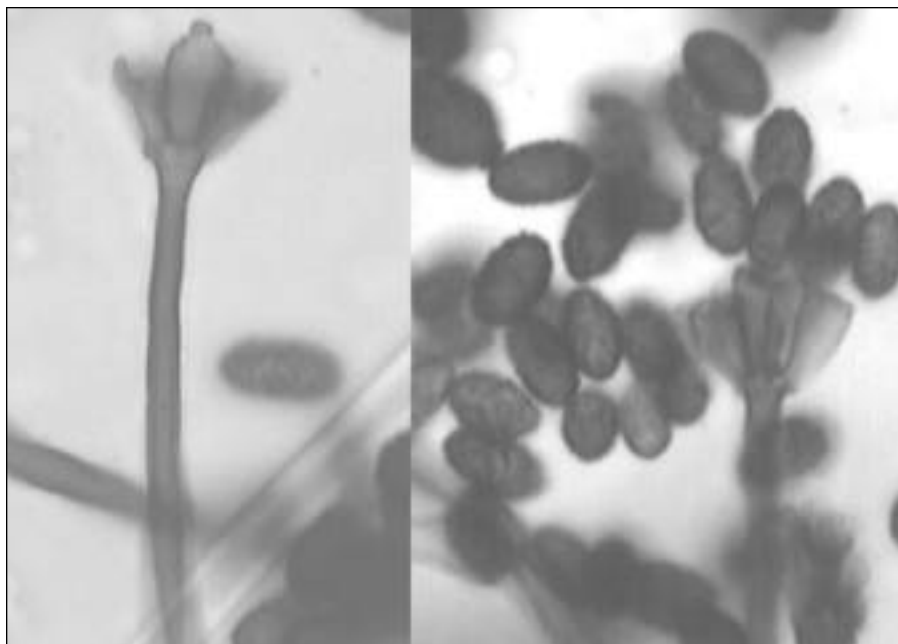
In recent years, the incidence of life-threatening infections in immuno-compromised patients from *Aspergillus* and other common fungi has been growing rapidly.^{128, 129} Invasive aspergillosis is very common among immuno-compromised patients, with reported incidence rates in the following patients:

lung transplants, 17%–26%; allogenic bone marrow transplants, 5%–15%; acute leukaemia, 5%–24%; and heart transplants, 2%–13%.^{130, 131} Even with strong anti-fungal drugs and intense hospital treatment, mortality rates from invasive aspergillosis range from 50% to 99% in the immuno-compromised.^{132, 133}

Environmental control plays a key role in preventing *Aspergillus* infections. Several studies have linked hospital construction work to increased rates of invasive aspergillosis.^{134–137} Environmental controls such as using HEPA filters, sealing rooms, cleaning rooms regularly and using anti-fungal copper-8-quinolate paint have been shown to significantly reduce airborne levels of *Aspergillus* and significantly reduce rates of invasive aspergillosis in immuno-compromised hospital patients.^{135–141}

Other recent research has indicated that a large number of *Aspergillus* spores can spread through water supplies¹⁴² and that cleaning shower facilities can significantly lower airborne levels of *Aspergillus*.¹⁴³

Indoor airborne mould exposure causes neurologic dysfunction and cognitive deficits...including memory loss, irritability, anxiety and depression...



The image above illustrates conidiophores and conidia of a *Stachybotrys* species collected on tape from a basement in southern Quebec. (Source: <http://www.botany.utoronto.ca/ResearchLabs/MallochLab/Malloch/Moulds/Source.html>)

Diagnosis and Treatment of Mould-Related Health Problems

A careful environmental and medical history is an essential first step in evaluating a patient for mould-related health problems.⁵²

¹⁴⁴⁻¹⁴⁶ Particular attention should be paid to any history of exposure to visible mould and/or water damage at the home or workplace. Environmental sampling for viable spores, total spores and mycotoxins in the air and dust can provide important exposure information. For patients suspected of having substantial fungal exposure, a battery of sophisticated laboratory tests has been developed to test for:

- 1) antibodies to moulds and mycotoxins in the sera of these patients;^{108, 109}
- 2) immunological factors;¹¹⁵
- 3) mycotoxins in urine and blood;⁴⁷ and
- 4) several important parameters (including electrolytes, blood sugar and kidney status) using a basic metabolic panel.

Visual contrast sensitivity tests should be done on all mould-exposed patients. The use of standard neuropsychological test batteries^{23, 122-124} as well as autonomic nerve testing, EEG and brain-imaging techniques like SPECT and MRI can be very helpful tools in documenting mould-related neurological damage.^{25, 120, 121, 125, 144} Use of pulmonary function tests is also useful for patients with respiratory symptoms.^{24, 120}

If patient symptoms and/or a review of systems suggest involvement of ears, nose, throat, gastrointestinal system, the eyes or the heart, then consultation with physicians knowledgeable about environmental exposures (be they a doctor, an ENT specialist, a gastroenterologist, an ophthalmologist or a cardiologist) may be very useful. Failure to perform objective evaluations for assessing system or organ dysfunction accounts for the presently accepted position that airborne mould exposures have no significant adverse health effects.³⁸

Other common indoor environmental exposures should also be considered as a potential source of health problems. Common non-fungal indoor environmental factors include poor ventilation, carbon monoxide from faulty heat sources, pesticides, second-hand tobacco smoke, petrochemicals such as those found in cleaners, building materials and solvents, formaldehyde from outgassing carpets and building materials, bacteria, and allergens from the fur, feathers and saliva of common household animals like cockroaches, dust mites, cats, dogs, caged birds and pigeons. Exposure to ozone, second-hand tobacco smoke, formaldehyde, cockroach allergen and viral infections can also have a synergistic effect with fungal exposure to worsen asthma and rhinitis.¹⁴⁷⁻¹⁵¹

The most important part of treatment for mould-exposed patients is avoidance of fungal exposure and remediation of mould contamination in the home and workplace. Any water leaks and flooded or damp areas should be rectified immediately. Non-porous surfaces like floors and walls which have visible mould growth should be cleaned. Porous waterlogged materials like carpet and furniture should be thrown out. Control of humidity is important to control mould growth.

The use of air conditioners and dehumidifiers can significantly

reduce summertime indoor airborne mould concentrations.^{10, 152} HEPA air filters can also significantly reduce indoor airborne fungus concentrations.¹⁴¹ For clean-up of severe indoor water or mould problems, use of protective equipment like face masks and/or use of a professional remediation firm may be essential.⁵⁰⁻⁵²

Use of sublingual or injective fungal immunotherapy has been shown to be beneficial to some patients sensitised to common indoor moulds such as *Alternaria* and *Cladosporium herbarium*.^{153, 154} Other therapies found helpful include:

- 1) detoxification (sauna, massage, exercise);
- 2) correction of identified immune deficiencies;
- 3) use of topical, nasal or oral antifungal drugs when indicated.

Some studies with laboratory animals suggest that a high-quality diet with adequate anti-oxidant vitamins, selenium, phytochemicals, methionine and total protein can reduce the harmful effects of food mycotoxins.^{155, 156}

Additional studies have reported that mould-exposed patients do significantly more poorly on tests of attention, balance, reaction time, verbal recall, concentration, memory and finger tapping.

Summary

Indoor airborne mould and/or mycotoxin exposures cause many multi-system adverse human health effects, as indicated by the more than 100 references cited. Healthcare professionals, building managers, home owners and the general public need to be much more aware of the potential adverse health effects of moulds and mycotoxins, the need for proper building remediation and the need for appropriate patient diagnosis and treatment.

There is sufficient data from the medical literature and the large number of clinical reports to substantiate the reported adverse health effects of indoor airborne mould. Indoor mould and mycotoxin exposure absorbed through the respiratory route can be a major pathway of injury by all three mechanisms: infection, allergy and toxicity.

Editor's Note:

The above article first appeared in the *Journal of the Australasian College of Nutritional & Environmental Medicine*, vol. 23, no. 1, April 2004, pp. 3-8. Unfortunately, due to space constraints, we are unable to publish the extensive endnotes. To view these, go to web page http://www.acnem.org/journal/23-1-april_2004/indoor_moulds.htm. The article is reproduced here with permission of the authors, and copyright is vested with ACNEM, the Australasian College of Nutritional & Environmental Medicine: PO Box 324, Black Rock, Vic. 3193, Australia, tel +61 (0)3 9589 6088, fax +61 (0)3 9589 5158, email mail@acnem.org, website <http://www.acnem.org>.

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THE FAR WEST DRUG METAGROUP

DRUGS, MANAGED VIOLENCE AND THE RUSSIAN 9/11

*The international
illegal drug trade
serves not only the
political and
economic
objectives of the
drug traffic but the
state itself,
including powerful
interests in the USA
and Russia.*

Part 1 of 2

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Violence and the Political Requirements of the Global Drug Traffic

In the last three decades, three important facts have emerged about the international drug traffic. The first is that it is both huge and growing.

Narcotics are estimated to be worth between [US]\$500 billion and \$1 trillion a year, an amount, according to UN Secretary-General Kofi Annan in remarks to a United Nations General Assembly session in June 2003, that is greater than the global oil and gas industry, and twice as large as the overall automobile industry.¹

The second is that it is both worldwide and, above all, "highly integrated".² At global drug summits, such as the one in Armenia in 1993, representatives of the Sicilian Mafia, the Brighton Beach *Organizatsiya* and Colombian drug lords have worked out a common *modus operandi*, with the laundering of dirty money entrusted chiefly to the lawless Russian banks.³

The third important fact, undeniable since the 1980 US intervention in Afghanistan, is that governments with global pretensions will avail themselves, in pursuit of their own political ends, of the resources, both financial and political, of the drug traffic. It was striking in the 1980s that the CIA, in its choice of Afghan mujahedin leaders to back against the Soviet Union, passed over those with indigenous support in favour of those—notably, Gulbuddin Hekmatyar—who dominated the heroin trade. The result was to enhance Hekmatyar's power until he became a leading heroin trafficker, not just in Afghanistan but in the world.⁴

Three more important features of the global drug traffic have been less noticed; thus, although I regard them as facts, I shall refer to them not as facts but as propositions to be tested against evidence. The first proposition is that the highly integrated drug traffic industry, in addition to serving the political ends of world powers, has its own political as well as economic objectives. It requires that in major growing areas there must be limited state control—a condition most easily reached by fostering regional rebellion and warfare, often fought by its own private armies. This is the ongoing situation of designed violence in every major growing area from Lebanon to Myanmar, Colombia to Afghanistan. All of these countries have been labelled "failing states", or (the term preferred by political scientists) "anocracies".⁵

Once the local power of drug armies was enough in itself to neutralise the imposition of state authority. But today there are increasing signs that those at the highest level of the drug traffic will plot with the leaders of major states to ensure, or even to stage, violence that serves the power of the state and the industry alike.

Thanks to extensive research in Russia, we now have initial evidence of a second and even more significant proposition: that there exists on the global level a drug meta-group, able to manipulate the resources of the drug traffic for its own political and business ends without being at risk for actual trafficking. These ends include the creation of designed violence to serve the purposes of cabals in political power—most conspicuously in the case of the Yeltsin "family" in the Kremlin, but allegedly, according to Russian sources, also for those currently in power in the United States.

One piece of evidence for this consists in a meeting which took place in July 1999 in southern France near Nice, at the villa in Beaulieu of arms merchant Adnan Khashoggi, once called "the richest man in the world". Those at the meeting included a member of the Yeltsin cabal in the Kremlin and four representatives from the meta-group, with

passports from Venezuela, Turkey, United Arab Emirates and Germany. Between them they allegedly enjoyed excellent relations with:

- 1) Ayman al-Zawahiri, the acknowledged mastermind of 9/11 and senior mentor to Osama bin Laden;
- 2) Soviet military intelligence;
- 3) the FARC, the Colombian revolutionary group that has become increasingly involved in the drug traffic;
- 4) the Kosovo Liberation Army, a similarly involved group;
- 5) (according to a well-informed Russian source) the CIA.

The third important proposition is that a meta-group of this scale does not just help government agencies make history. I hope to show that its members, and its predecessors, are powerful enough to help make history themselves. However, they do not do so overtly but as a hidden "Force X" whose presence is not normally acknowledged in the polite discourse of academic political scientists. On the contrary, as we shall see, references to it are usually suppressed.

A Digression: Drugs, Meta-Groups and the Compradorial Revolution

The question arises whether this is the only such meta-group in the international drug milieu. My tentative answer is that there are indeed other focal nodes for organised international drug trafficking, often above the reach of the law. (The remnants of the dissident Hekmatyar drug network in Afghanistan would be a prime example.) What is special about this meta-group is its global reach, which makes it of especial interest to the CIA and other pro-American agencies committed to globalisation. It also has its own business front, Far West, Ltd., which has interfaced with prominent political transnational firms like Halliburton.

A drug meta-group with such broad connections is not unprecedented. As I argue elsewhere, I see an historical succession of meta-groups influencing US governmental relations to the international drug traffic. This succession reaches back, through the CIA-sponsored activities of BCCI, to what I call the first post-war meta-group: the overlapping global operations of William Donovan, E. Howard Hunt, Paul Helliwell and Meyer Lansky.⁶ If there is an historical pattern of evolution in this succession, it is that successive meta-groups have become more powerful, more highly organised and more independent of their government connections.

A clear predecessor for the Far West meta-group was the Bank of Credit and Commerce International (BCCI), a drug-laundering bank which was of use to CIA Director William Casey precisely because of its corrupt global reach. As a Washington insider said to two *Time* reporters covering BCCI:

*They were the only way we could talk to certain folks, and they were the only vehicle available for some transactions. Who else could wire something together to Saudi Arabia, China, Israel, and the US?*⁷

It is worthy of note that Khashoggi has enjoyed intimate connections to both Far West and BCCI, as well as to Western intelligence and politicians. He was listed in the 1992 US Senate BCCI report as one of the "principal foreign agents of the US".^{7a}

The "wiring together" effected by drugs has helped give a significant boost to the global banking network, particularly in Russia and Southeast Asia. In these areas it has also fostered trade and investment, bringing businessmen from previous, diverse, commercial areas into increasing contact with each other. From this perspective, globalisation can be seen as a compradorial revolution: compradorial classes have moved into positions of power, and in some cases their international networks have been more than a match for local state power.⁸

As to how many drug meta-groups exist in the world, I believe there are at least two. A second, which we will not examine here, oversees the new drug highway from northern Myanmar (Burma) through the entrepreneurial zones of southern China, and manages the international connections necessary to arrange for the smuggling of heroin and people into Australia and the eastern and western United States.⁹

The relation of the West to this second or Eastern meta-group is unknown, and in all probability it is highly complex and ambiguous. It is probably safe to say, however, that the global reach of the second meta-group, overseeing the much smaller flow of drugs east from Myanmar, is less than the first or Western meta-group we shall discuss here, overseeing the far greater flow of drugs west from Afghanistan. It has been estimated that by now Afghanistan supplies 87 per cent of the global heroin trade.¹⁰

There is an undeniable Western face to the dominant meta-group. One member of the meta-group at the 1999 meeting, Anton Surikov, had spent time at the London Centre for Defence Studies; in addition, Surikov had had contacts with at least one senior CIA representative.¹¹ (Another member of the meta-group, former Lithuanian Defence Minister Audrius Butkevicius, was with Surikov at the London Centre.) We shall see that a third member, Ruslan Saidov, is said to have been paid as a CIA contract agent.

But there are much more important functional links between this meta-group and corporations close to the White House of President George W. Bush. The group's business front, Far West, Ltd, is said to have CIA-approved contractual dealings with Halliburton for geopolitical purposes in the Caucasus as well as dealings in Iraq with Diligence LLC, a group with connections to Joe Allbaugh (the FEMA chief in 2001) and to the President's younger brother Neil Bush. The head of Far West recently told a Russian outlet that "a well-known American corporation...is a co-founder of our agency".¹²

One of the alleged purposes of the meeting at the villa—but not the only one—was to give the Yeltsin "family" what it supposedly needed: a Russian 9/11.

The "Russian 9/11": Bombings and Plans for War

Russia has been familiar for some time with charges that the bombings in Moscow in September 1999, and an accompanying invasion of Russian Dagestan that rekindled the ongoing war in neighbouring Chechnya, were both planned by representatives of the Islamist element in the Chechen resistance in collusion with a representative of the Russian Kremlin.

Read synoptically, these stories indicate that the well-connected drug-trafficking meta-group, with connections to both the Kremlin and the CIA, arranged in advance for the bombings and

But there are much more important functional links between this meta-group and corporations close to the White House of President George W. Bush.

invasion at the July 1999 meeting at a French villa owned by Adnan Khashoggi. The group allegedly operated with support from Saudi Arabia and organised global drug trafficking, some of it probably through Kosovo.

The evidence for this Western face of the group is laid out in an article by a so-called Yuri Yasenev, which is clearly a compilation of extracts from intelligence reports, on a Russian website [see <http://www.compromat.ru/main/surikov/saidov.htm>].¹³ The article is cited—very selectively—as authoritative by a reputable Hoover Institution scholar, John B. Dunlop [see the October 8, 2004, paper "Storm in Moscow" at http://www.sais-jhu.edu/programs/res/papers/Dunlop_paper.pdf].¹⁴

But Dunlop completely ignores—one might say, suppresses—Yasenev's case as I have summarised it above. He uses the article instead to document a more familiar case: that in 1999, the Yeltsin "family" in the Kremlin dealt with this same group to create what might be called the "Russian 9/11".

When I say that Dunlop suppresses certain details, I do not mean to suggest that he does so conspiratorially or even consciously. My notion of deep politics, which I have developed elsewhere, posits that in every culture and society there are facts which tend to be suppressed collectively because of the social and psychological costs of not doing so.¹⁵ Like all other observers, I too have involuntarily suppressed facts and even memories about the drug traffic that were too provocative to be retained with equanimity.¹⁶

The drug traffic is often the beneficiary of this suppression, which leaves it more free to act without interference. In *Deep Politics* I referred to the pervasive influence of a US government–drug collaboration which I called "Operation X", looking at it from the perspective of a parapolitical manipulation of the traffic by the government.¹⁷

I wish now that I had written of a "Force X": a force which was no longer under total government control and, indeed, could influence government behaviour for its own ends.¹⁸

Dunlop's thesis is in itself an alarming one. It is that men of influence in the Kremlin, building on the connections established by the wealthy oligarch Boris Berezovsky, were able to arrange for staged violence in order to reinforce support for an unpopular Russian government. This staged violence took the form of lethal bombings in the capital and an agreed-upon incursion by Chechens into Russian Dagestan.

This credible thesis is even more alarming when we consider that both Khashoggi and Berezovsky have purchased significant influence in the West as well. In 2003 Khashoggi was negotiating with Richard Perle, a member of the Cheney–Rumsfeld clique who at the time was still Chairman of the US Defense Policy Board, to invest considerable Saudi money in Perle's company Trirème.¹⁹ Berezovsky is a shareholder in the software company, Ignite, of President Bush's delinquent brother Neil Bush.²⁰

By the "Russian 9/11", I mean the Kremlin-approved bombings of Russian apartment buildings in 1999, along with the pre-arranged (and partly staged) invasion of Dagestan which led to the second Russian invasion of Chechnya. For some time the West has heard versions of the claim that both events were planned at the time by Russian intelligence. For example, Patrick Cockburn reported as follows in the *Independent* of January 29, 2000:

*Boris Kagarlitsky, a member of the Russian Academy of Sciences Institute of Comparative Politics, writing in the weekly Novaya Gazeta, says that the bombings in Moscow and elsewhere were arranged by the GRU (the Russian military intelligence service). He says they used members of a group controlled by Shirvani Basayev, brother of the Chechen warlord Shamil Basayev, to plant the bombs. These killed 300 people in Buikask, Moscow and Volgograd in September.*²¹

Western scholarly analyses have seen the bombings and war as part of a stratagem to boost the popularity of the Kremlin, and particularly the little-known new Prime Minister Putin, in preparation for the presidential elections in November 1999. The most thorough study, by John Dunlop, blames the plotting on three protégés of the Russian oligarch Boris Berezovsky—Valentin Yumashev, Alexander Voloshin and Roman Abramovich—who at this point were members of Yeltsin's "family" in the Kremlin.²² (As for Berezovsky himself, Dunlop writes that by mid-1999 "all of his real but beginning-to-dwindle political influence was obtained through the intercession of D'yachenko [Yeltsin's daughter] and Yumashev".²³)

The Meeting in Khashoggi's Villa, July 1999

A crucial piece of evidence for this thesis of Kremlin-structured violence is the meeting in July 1999, when Alexander Voloshin met in southern France with the Chechen warlord Shamil' Basaev. In Dunlop's words [pp. 40-41]:

On the day following the initial incursion of rebel forces into the

Dagestani highlands in early August of 1999, the investigative weekly Versiya published a path-breaking report claiming that the head of the Russian Presidential Administration, Aleksandr Voloshin, had met secretly with the most wanted man in Russia, Shamil' Basaev, through the good offices of a retired officer in the GRU, Anton Surikov, at a villa belonging to international arms merchant Adnan Khashoggi located between Nice and Monaco.¹⁰⁹ A source in French intelligence was credited by Versiya with supplying this information. The article stirred major interest in the Russian media, but at the time documentary confirmation was lacking...

"This villa, according to the French special services, belongs to the international arms dealer Adnan Khashoggi. He is an Arab from Saudi Arabia, a billionaire with a complicated reputation. According to the French special services, and also to the French press, in June of 1999 there took up residence at the villa a Venezuelan banker named Alfonso Davidovich.¹¹¹ In the Latin

Dunlop's thesis...is that men of influence in the Kremlin, building on the connections established by the wealthy oligarch Boris Berezovsky, were able to arrange for staged violence in order to reinforce support for an unpopular Russian government.

American press, he is said to be responsible for laundering the funds of the Colombian left insurrection organization FARC, which carries out an armed struggle with the official authorities, supported by the narcotics business."

Dunlop's massively documented essay is 52 pages long, with 142 footnotes. But having thus provocatively included references to both Khashoggi and narcotics, Dunlop does not mention either again.

Khashoggi's Interest in Chechnya

Just as Berezovsky was at one point the richest man in Russia, so Khashoggi was once (according to his American biographer) "the richest man in the world". At one point, indeed, Khashoggi had an influence in American politics analogous to Berezovsky's in Russia. For example, Khashoggi attended both Nixon inaugurals and contributed money to his election campaigns. He admitted to giving \$58,000 in 1968, but allegedly told Pierre Salinger he gave \$1 million in 1972.²⁴ He also arranged a fund-raising event for Jimmy Carter's Center in Plains, Georgia—an event which probably originated from Khashoggi's and Carter's connections to the Bank of Credit and Commerce International (BCCI).²⁵

Khashoggi is usually thought of as an arms salesman. Although he has never been directly linked to the drug traffic, he was intimately involved in the affairs of the drug-money-laundering BCCI, with which he arranged an arms shipment as part of Oliver North's dealings in Iran-Contra.^{25a} He also became notorious for flying into Las Vegas from abroad and then rapidly losing vast sums of cash at the casino tables—a traditional form of money-laundering.^{25b} His name has surfaced in connection with a number of other scandals, from the illicit real estate ventures of the Marcos family in New York to a major defrauding of a Thai bank in 1998, which was followed by the Asian financial crisis.

Khashoggi had had a financial interest in Chechnya and connections with its leaders since 1996, from his participation in a consortium called Caucasian Common Market AO. This was designed to raise US\$3 billion in the West and Japan for investment in Chechnya.^{25c} A principal organiser was former Chechen First Deputy Premier Khozh-Akhmed Nukhaev, in conjunction with Lord McAlpine of the Goldsmith family interests in London and also American capital.^{25d} But according to the late Paul Klebnikov, Nukhaev had a background in Chechen organised crime before developing "a radical ideology in line with the one espoused by Osama bin Laden's al-Qaeda network".^{25e}

Despite this background, Nukhaev found support and financing in Washington for his Caucasian-American Chamber of Commerce. According to one source, in 1997 Khashoggi introduced Nukhaev to former US Secretary of State James Baker.^{25f} However, Dunlop's inquiry is focused not on Khashoggi but on Berezovsky and his representative Voloshin in the Kremlin [p. 45]:

Just as Berezovsky was at one point the richest man in Russia, so Khashoggi was once "the richest man in the world".

At one point, indeed, Khashoggi had an influence in American politics analogous to Berezovsky's in Russia.

In March of 2002 Interfax reported that, through his long-time business partner Badri Patarkatsishvili, Berezovskii had "supplied Chechen figures Kazbek Makhachev and Movladi Udugov with money to purchase the raid against Dagestan. According to witnesses, Berezovskii contributed 30 million rubles for the purpose".¹²⁰ This payment, amounting to more than \$1 million, if it occurred, may have been only one of several intended to underwrite a "short victorious war" in Dagestan.

¹²⁰ "Berezovskii Sponsored Dagestan Raid, Top Policeman's Abduction—Prosecutors", Interfax, 5 March 2002. A well-known journalist for RFE-RL, Andrei Babitskii, who frequently visited Chechnya during this period and was acquainted with a number of leading separatists, writes that he can confirm that Berezovskii did indeed speak by telephone with both Basaev and Movladi Udugov at this juncture. See Andrei Babitskii, "Na voine", hro.org, 2 March 2004.

Dunlop is not alone in suspecting the hand of Berezovsky behind Voloshin's meeting with Basaev. So does Cockburn's source, Boris Kagarlitsky (about whom we shall have more to say).^{25g} The Russian observer Lilia Shevtsova reports a rumour at this time that Berezovsky himself, along with his agent Alexander Voloshin, had met in France with Basaev in the summer of 1999, just before the Dagestan invasion of August 2nd.^{25h}

Dunlop's Redactions of His Source Yasenev

Though he says nothing more about Khashoggi or drugs, Dunlop does however make one more reference to the alleged drug-money-launderer Alfonso Davidovich [pp. 42-43]:

"It soon emerged," Versiya continued, "that a very frequent visitor to Davidovich was a certain French businessman of Israeli-Soviet origin, a native of Sokhumi [Abkhazia], 53-year-old Yakov Kosman.¹¹²¹ Soon Kosman brought with him six persons who arrived via Austria carrying Turkish passports.¹²⁶¹ In one of the passports the French [authorities] identified a

certain Tsveiba, who is accused by the Tbilisi authorities of having committed genocide during the Georgia-Abkhaz conflict." All of the visitors settled into the villa for a three weeks' stay.

"Soon," the account continues, "the special services succeeded in establishing that Kosman and Tsveiba went to the Nice airport, where they met two men who had arrived from Paris. Judging from their documents, one of those who arrived was Sultan Sosnaliev, who in the years of the Georgian-Abkhaz war served as the minister of defense of Abkhazia.¹¹³¹ Second there emerged from the airport one more native of Sokhumi—Anton Surikov. According to rumors, during the years of the war in Abkhazia, he was subordinated to Sosnaliev and was responsible for questions of the organization of sabotage and was friendly with field commander Shamil' Basaev, who at that time headed the Chechen battalion."

The next arrival came by sea: "According to the precise information of the French and the Israelis, on 3 July at the port of Beaulieu a private English yacht 'Magiya' [Magic] arrived from

Malta. From it to the shore came two passengers. If one is to believe the passport information, one of the 'Englishmen' was a certain Turk, in the past an advisor to the Islamicist premier of Turkey, [Necmettin] Erbakan, a rather influential figure in the Wahhabi circles of Turkey, the Middle East, and the Caucasus.¹¹⁴ From sources in the Russian special services we learned that Mekhmet is also a close friend of the not unknown Khattab."

"The second person," the account goes on, "to the surprise of the intelligence officers, was the Chechen field commander Shamil' Basaev."

¹¹² Kosman is reported in the same 17 December 2004 issue of *compromat.ru* to live in Nice and to possess German and, possibly, Israeli citizenship.

¹¹³ On Sosnaliev as Abkhazia's defense minister, see RFE-RL Newline, 2 November 1993.

¹¹⁴ On Erbakan, see Shireen T. Hunter, *Islam in Russia: The Politics of Identity and Security* (Armonk, NY: M.E. Sharpe, 2004), p. 365.

Dunlop's cited source for information about both Davidovich and Kosman is the article by Yuri Yasenev, "Rossiyu zhdet oranzhevaya revolytsiya" ("An Orange Revolution is in Store for Russia"), on the Russian website, *ru.compromat*.²⁷ But Dunlop has significantly edited, one must even say censored, what Yasenev wrote. In footnote 111, Dunlop says:

The article "Rossiyu zhdet oranzhevaya revolytsiya", compromat.ru, 17 December 2004, reports that Davidovich lives in Munich and enjoys both German and Venezuelan citizenship. He is also said to be personally acquainted with international arms dealer Khashoggi.

This radically curtails Yasenev's description of Davidovich: *Alfonso Davidovich (1948), Venezuelan, lives in Munich. Has German and Venezuelan citizenship.*

Speaks Spanish, English, French, German, and Russian fluently. In the 1970s went through special training in the USSR (Privol'noe, Nikolaevskaya oblast) and East Germany.

Owens companies and banks in Barbados, the Caymans and other off-shores.

Has friendly relations with Hugo Chavez, and is acquainted with Fidel Castro, Marcus Wolf and Adnan Khashoggi. Has many contacts in Colombia, including FARC. In 1999 Davidovich was alleged to have engaged in arms trafficking for guerrillas in Chiapas, Mexico, and in money laundering for the Colombian drug mafia. Finances antiglobalization movement in Europe and Latin America.

With respect to Yakov Kosman, Dunlop says in footnote 112:

Kosman is reported in the same 17 December 2004 issue of compromat.ru to live in Nice and to possess German and, possibly, Israeli citizenship.

Compare this with what Yasenev wrote:

Yakov Abramovich Kosman (b. 1946), resides

*in Nice, France. Has German and, possibly, Israeli citizenship. Involved in real estate operations and banking. Has contacts with Kosovo Albanian criminal societies in European countries. In 1997–2000 he served as financial consultant to Hashim Thaçi, the chief commander of KLA.*²⁹

Consider that [according to the *Washington Times* of May 3, 1999]:

*In 1998, the US State Department listed the KLA—formally known as the Ushtria Clirimtare e Kosoves, or UCK—as an international terrorist organization, saying it had bankrolled its operations with proceeds from the international heroin trade and from loans from known terrorists like Osama bin Laden.*³⁰

Khashoggi had had a financial interest in Chechnya and connections with its leaders since 1996, from his participation in a consortium called Caucasian Common Market AO.

The Khashoggi Villa Meeting, Drugs and Kosovo

It would appear that Davidovich and Kosman were in Khashoggi's villa to talk about more than just Chechnya, but that Dunlop did not wish to explore this possibility. For example, he acknowledges the presence of no less than four men of Abkhazian origin and/or influence at the meeting—Kosman, Tsveiba, Sosnaliev and Surikov—and yet offers no explanation whatsoever for their presence. (A glance at a map will show that Abkhazia is irrelevant to the subsequent events in Dagestan and Chechnya.)

It seems likely that a drug route was discussed by Basaev and others involving Abkhazia, which now "has become a key heroin transiting point".³¹

Its drug-trafficking importance is noted by none other than Surikov himself:

*In general then, the Chechen [drug-trafficking] group has allotted a very important place to Abkhazia in its plans... Abkhazia today is one of the most criminalised areas of the former Soviet Union.*³²



"I drink to forget the country's drug problems."

The London paper *Al-Sharq Al-Awsat* has written that Basaev controlled the "Abkhaz heroin road" used by the Taliban as a transit route to Europe.³³

Russian observers have pointed out that the meeting(s) in France, which took place in June and/or July 1999, came shortly after the unexpected entry of Russian troops into Kosovo. On June 11, 1999, 200 Russian troops in SFOR drove from Bosnia to Pristina and secured Slatina airport. General Wesley Clark then ordered (UK) General Sir Mike Jackson (who on June 9 had signed technical agreement for withdrawal of Yugoslav troops from Kosovo) "...to seize the airport. Jackson responded, famously, that he would not start World War Three for him."³⁴

Following two days of talks directly between Clinton and Yeltsin, the crisis was averted. Instead, there followed weeks of "protracted negotiations on Russia's role in the Kosovo peacekeeping mission".³⁵ In the end, under circumstances still not fully understood, the United States and NATO agreed that the Russians could stay.

The Russian troops finally withdrew from the airport in July 2003.³⁶ Significantly, a chart of Russian drug-trafficking prepared by one of Surikov's partners, Sergei Petrov, indicates that in 2003 Kosovo ceased to be a main point of export for Russian drugs, its place being taken by the Black Sea oil port of Novorossiysk.³⁷

Within a year of the troops' arrival, by 2000, according to DEA (Drug Enforcement Administration) statistics, Afghan heroin accounted for almost 20 per cent of the heroin seized in the United States—nearly double the percentage taken four years earlier. Much of it was now distributed in America by Kosovar Albanians.³⁸ It is significant therefore that:

*The "Pristina dash" by Russian parachutists in 1999 during the Kosovo crisis (the purpose of the "dash" was to force NATO to guarantee for Russia a separate sector of responsibility in Kosovo) was organised by the head of the General Staff, Anatoly Kvashnin, and his deputy, Leonid Ivashov, without the knowledge of minister of defense Igor Sergeyev and most likely without Yeltsin's knowledge.*³⁹

Yasenev says nothing about this, but does assert that Kvashnin was the Russian Army connection of two leading drug traffickers (Vladimir Filin and Alexey Likhvintsev) in the Saidov–Surikov group.

The Role of Surikov: The Dunlop and Yasenev Versions

As we have seen, Dunlop describes Anton Surikov, the organiser of the Beaulieu meeting between Voloshin and Basaev, as "a retired officer in the GRU". He fails to quote from his source Yasenev's description of Surikov:

*Anton Victorovich Surikov (b. 1961). Presents himself as political scientist. Responsible for informational and political projects. Actively publishes in press. Some of his publications resemble ciphered directives to the elements in Russian special services **disloyal** [emphasis added] to President Vladimir Putin.*

His other articles contain political messages intended for abroad.

Surikov has contacts with Fritz Ermarth, former leading CIA analyst of the USSR and Russia, now in the Nixon Foundation...

*In 2002–03, together with Kondaurov—who represented Mikhail Khodorkovsky and Leonid Nevzlin—Surikov, with the help of Victor Vidmanov, organized financing of CPRF by YUKOS shareholders and the individuals associated with OPS [the organized criminal society] (Yakov Kosman, Nikolai Lugovskoi) to the tune of \$15 million.*⁴⁰

(Note: "CPRF" stands for Communist Party of the Russian Federation. "YUKOS" is a Russian oil company, once Khodorkovsky's.)

Boris Kagarlitsky's essay [*Novaya Gazeta*, January 24, 2000] and Yasenev's memo, taken from intelligence files, talk about

Surikov but from opposing perspectives. Kagarlitsky, a long-time dissident and foe of Putin, saw the Beaulieu meeting as the venue for Kremlin-instigated violence, designed to restore the Kremlin's popularity before the coming election. Yasenev's memo sees Surikov as part of an ongoing effort to destabilise Russia and weaken the Kremlin.

Kagarlitsky (and after him Dunlop) says almost nothing about Surikov, other than to refer to his past years with Russian military intelligence, the GRU. To quote Dunlop [pp. 44-45]:

*Kagarlitskii also notes: "During Primakov's time, Surikov worked on the staff of the government of the Russian Federation. Despite this fact, he also developed regular work relations with Voloshin's people." It seems therefore quite likely that Surikov and Voloshin were personally acquainted.*⁴¹

However, Yasenev's memo in December 2004 links Surikov not to the government or Kremlin but (through Kondaurov) to the sphere of the man who by that time had emerged as America's best friend and Putin's most powerful enemy in Russia: the oligarch Mikhail Khodorkovsky. (The

Kondaurov–Khodorkovsky connection is abundantly documented: both men freely admit it.)

Forbes magazine, which underwrote Klebnikov's damning account of Berezovsky, wrote on March 18, 2002, that Khodorkovsky appeared to be "the West's best friend" in Russia. According to PBS in October 2003, Khodorkovsky's firm Menatep shared business interests with the Western investment firms Global Asset Management, the Blackstone Group, the Carlyle Group and AIG Capital Partners. In addition:

*He frequently travels to the United States. He reportedly dined with Condoleezza Rice last year and recently was a guest at Herb Allen's Idaho ranch, along with Bill Gates, Warren Buffett and other luminaries, for an annual telecommunications executives meeting.*⁴²

Quoting from an anti-Yeltsin essay of May 1999 by Surikov in *Versiya*, the American right-wing Jamestown Foundation agrees with Yasenev (against Kagarlitsky and Dunlop) that "Surikov is

Within a year of the troops' arrival, by 2000, according to DEA statistics, Afghan heroin accounted for almost 20 per cent of the heroin seized in the United States—nearly double the percentage taken four years earlier.

clearly in the camp of Yeltsin's opponents".⁴³ More recently, Surikov has also shown himself to be anti-Putin, criticising Putin's "obvious inability...to struggle against terrorism effectively".⁴⁴

Furthermore, Surikov clearly had Western support in his opposition to government corruption under Yeltsin. The Centre for Defence Studies, a British think-tank at King's College, London, published two small books by Surikov, including one entitled *Crime in Russia: the international implications*.⁴⁵ According to his web page at the Moscow Institute of Globalization Studies (IProg) website, Surikov spent the year 1994 at the Centre for Defence Studies.⁴⁶ Audrius Butkevicius is said to have spent the year there as well.

As for Yasenev's allegation that "Surikov has contacts with Fritz Ermarth", Surikov when questioned about this admitted it frankly: "I am personally acquainted with Mr Ermarth as political scientist since 1996. It's well known by many people and we never hid this fact."⁴⁷

In saying this, Surikov was admitting to a CIA connection: Ermarth, a senior officer who twice served on the National Security Council, did not retire from the CIA until 1998. The two men had met in April 1996 at a Global International Security Seminar in Virginia.⁴⁸

Above all, Kagarlitsky is silent about the charge which has since aroused controversy in the Russian media: Surikov's supposed involvement with "a group of renegade Soviet secret service officers who are allegedly involved in international drug trafficking and have ties with Western and Saudi security apparatus".⁴⁹

It would be interesting to learn at what point Kagarlitsky first met Surikov, and whether Surikov was in fact the source for Kagarlitsky's article about the meeting in southern France. Today the two men are close, and serve together at IProg.⁵⁰

Saidov, Surikov, Muslim Insurrectionism and Drug Trafficking

The most conspicuous clue to Dunlop's selectivity in his use of the Yasenev memo is his failure to identify "Mekhmet", the "certain Turk, in the past an advisor to the Islamicist premier of Turkey, [Necmettin] Erbakan".⁵¹ Yasenev identifies Mekhmet, linking him not only to Erbakan but also to the CIA, to Saudi intelligence and to al-Qaeda:

In 2003 the Turkish citizen Mehmet, whose real name is Ruslan Saidov, persuaded the President of the Chechen Republic, Ahmed Kadyrov, that he could be of use with Kadyrov's policy of "national reconciliation".

Saidov took part in organizing Kadyrov's visit to Saudi Arabia. There Kadyrov made an agreement with the head of Saudi intelligence, Prince Naif Ibn Abdel-Aziz, that the Arab militants under the Lieutenant Colonel Aziz ben Said ben Ali al-Hamdi (alias Abu al-Walid al-Hamadi), Prince Naif's subordinate, would be removed from Chechnya by May 2004. The agreement stipulated that Kadyrov guaranteed safe passage to Abu al-Walid. Playing a double game and intending to set up both parties, Saidov (probably together with Abu al-Walid himself) gave this information to the CIA. Apparently the CIA was concerned that having left Chechnya the Arab militants would resurface in Iraq

and join the terrorist group of the Jordanian Abu Musab al-Zarqawi that belongs to the al-Qaeda network.

Trying to prevent this, and, besides, wanting to discredit Kadyrov in the eyes of Prince Naif, the CIA gave Saidov an "assignment". On April 13 in the Nozhai-Yurt district of Chechnya, Russian troops killed Abu al-Walid (or alleged having done so). Saidov paid \$300,000 to those who carried out this operation. Their bosses in Moscow received \$500,000. How much the CIA paid Saidov is unknown...

Yasenev describes Saidov as both a drug trafficker and an arms trafficker, involved with the supply of Russian arms to the Saudi-backed secessionists in Yemen. He adds that:

In the spring of 1995 Saidov began to cooperate with the organized society, led by Vladimir Filin and Alexei Likhvintsev, in handling [narcotics] traffic through the port of Novorossiysk.

Yasenev also describes Saidov as having good relations not only with the CIA but also with Turkish Islamists and even with Ayman al-Zawahiri, the man often described as both the "mastermind" behind 9/11 and the senior partner in al-Qaeda with the younger bin Laden.⁵²

In addition, Yasenev made it clear that Saidov was not pro-Putin but a Muslim activist who was passionately anti-Putin and, indeed, anti-Russian:

In September 2003, Saidov participated in the congress of the extremist organization Hizb ut-Tahrir al-Islami in Jordan. At this congress he announced that Hizb ut-Tahrir al-Islami was an organization effectively acting in the underground throughout Russia, Central Asia and the Crimea...^[53]

On December 8, 2004, Saidov addressed Muslim youth in Moscow.

In his words, "following Ukraine, the Orange Revolution is coming to Russia". "Our liberals say that in 2008 the situation in Moscow will be like the one in Kiev. However, everything will be different, and not in 2008 but earlier. Amirs and mudjahideen will soon make the Kremlin shudder with horror." In 2005, "they will throw into hell the servant of Satan", i.e., President Putin, who is allegedly "wanted by the International Tribunal at The Hague".

The same goal of Muslim liberation was attributed by Yasenev to the organiser of the meeting in France, Anton Surikov:

On December 13, 2004, in Adygeia, Surikov had a meeting with a group of Sufi believers and said this: "In the past we were against ahl-ad-dalala [those who have gone astray] with their Arab money. We used to say that one should not separate from Russia. But now Russia is on the brink of collapse and chaos. So we'll be separating [from Russia] with all Muslims of the Caucasus. A new state will be created on our historical lands from Psou and the Black Sea to Laba and Kuban."

(The goal of splitting up Russia attributed here to Surikov is that which, in an earlier [1994] text co-authored by Surikov, is attributed by Russian "radicals" to the United States:

Continued on page 78

PARASITE ELIMINATION USING THE ELECTRIC CARBON ARC LAMP

A century-old technology and health treatment, utilising high-energy, full-spectrum vibratory light, is being employed to destroy nasty parasites including tapeworms.

by Carmi B. Hazen © 2006

Website:
<http://www.kootiekiller.us>

Radiant energy was used extensively in medicine around the beginning of the 20th century with the advent of Finsen's filtered ultraviolet carbon arc lamp, for which Niels Finsen received the 1903 Nobel Prize in Physiology or Medicine. Clinics popped up throughout Europe that treated rickets, tuberculosis and a host of other diseases successfully by way of precisely timed exposures to outdoor sunlight and indoor broad-spectrum light produced by the electric carbon arc lamp and, later, the narrow-spectrum mercury vapour UV light emitters.

Up until about 1935, carbon arc lamps and mercury vapour lamps were in wide use throughout the medical community because of the unique ability of light to create changes in the chemistry of the body fluids which stimulate the immune system, thus producing a powerful pathogen-devitalising environment. The effects were not just topical; the lamps created responses deep inside the body, far away from the points of initial illumination. Many diseases responded well to the treatments without the dangerous side effects of the poisonous, chemical-based drugs that were soon to follow on the timeline of medical evolution. As medicine became organised as a result of the powers of the emerging pharmaceutical industry with its new sulphur-based drugs, the use of illuminative radiant energy in the treatment of disease quickly disappeared from the medical scene.

The energy technology of radiant light illumination was far more effective than the chemical drugs but not as profitable, hence *actinotherapy*, as it was called, rapidly fell out of use. With the advent of medical licensing and the subsequent threat of de-certification, physicians who continued to use the proven technology risked losing their licence to practise medicine, hence the reason why full-spectrum light treatments are not widely used today and why few practitioners have ever heard of this remarkable healing technology. Doctors of today are clueless about this technology; if told of it, they would likely balk at it and dismiss it as quackery. Nothing, however, could be further from the truth. This technology is an important relic of medical history, and these doctors would be awestruck to learn of the extensive healing potency it provided. Yet, by the ordained decree of medical politics, this energy technology remains a taboo in the profession and thus beyond reach.

The public has been conditioned to believe that somehow energies from the Sun or its approximates is somehow dangerous and that such exposures should be limited or avoided altogether. However, this fear of nature is a recent occurrence which parallels the expansion of information technologies and mass advertising. Protective clothing, lotions and eyewear of uncountable varieties have all been the result of clever advertising for the purpose of making money for the manufacturers, not to mention for the relatively new class of doctors who specialise specifically in dermatology. If the truth be known that sunlight is good for us and lack of it is harmful, sales would not be nearly as brisk as they now are and many practitioners would be forced to learn a new medical speciality.

When the baby-boomer generation was growing up, we never heard of such a preposterous assumption that sunlight was bad for us and we ran around half naked and without sun-blocking our skin with oils—which, at that time, had no light-filtering capabilities. Can you recall anyone you knew developing skin cancer? Or any cancer for that matter? It's true that the incidence of skin cancer, as well as other forms of cancer, has been on a marked increase over the last half-century, but to blame it on the Sun is ridiculous.

Mankind would never have made it this far if the Sun were harmful. The theory about the ozone layer, with its supposed increase in UV transmissions, has not yet been proven satisfactorily. People lived outdoors for thousands of years in sunlight without the aid of sunglasses, and there is no evidence in written history of mass blindness or outbreaks of skin cancer as a result. Animals don't run around wearing sunglasses and their vision appears to be just fine. Nor has it been adequately demonstrated that the Sun's rays are the true cause of skin cancer. Many informed researchers believe that skin cancer results from internal chemical pollution that is exacerbated by exposure to the UV rays, the energy being a catalyst in a chemical reaction.

This is yet another area in which medical science pontificates without conducting its favourite double-blind studies. Incidentally, these studies cannot be "blind", as researchers and participants can easily tell in most cases if the methods being tried have any effects during the course of the study. Often the published observations are contrary to the results of the studies because some vested interest funded them. No study so far has ever proved God to be wrong. Man, on the other hand...

Melanomas occur more often in indoor workers than outdoor workers, and the lesions often appear in areas never subjected to the influences of light exposure. Vitamin D, which is made in the skin from ergosterol, is vital in keeping cancers at bay; people who do not get enough light exposure have a significantly greater amount of cancer than those who remain active out of doors and produce the necessary amounts of vitamin D as a result.

Dr John N. Ott reports in his classic *Health and Light* (1976) that many cases of disease, including cancers and tuberculosis (TB), rapidly cleared up when patients stopped using sunglasses and exposed themselves to unfiltered sunlight several hours per day. European tuberculosis clinics in the Swiss Alps used sun solariums extensively for the treatment of TB.

Dr Auguste Rollier, author of *Heliotherapy* (1923) and among the most famous practitioners of the time, pioneered the use of sunlight in the treatment of numerous diseases, having developed measurable scientific methods that were quickly adopted worldwide. The carbon arc lamp was chosen because its frequency spectrum is very close to that of natural sunlight; it could be used indoors regardless of weather conditions, and exposures could be gauged more accurately. Dr Rollier's clinic was opened in 1903 in Leysin, Switzerland. The facilities became the American College of Switzerland in the early 1950s.¹

CLEARING PARASITES

A major secret to health is to eliminate the abundance of organisms that live in the digestive tract in about 95 per cent of the world's population, excreting poisonous toxins that osmotically pass into the body fluids and thus contaminate the internal environment, triggering the onset of disease of many varieties.

Intestinal cleansing forms of personal hygiene (removal of the parasites and accumulated impacted waste) are rarely practised in the United States and slightly more so in Europe. Hollywood movie actors are an exception, as the majority of them are devout practitioners of colonic irrigation to maintain their physical appearance and their desire to remain disease free.

There are other less-intrusive methods to remove the parasites, such as the use of Homozon and various herbal concoctions, but few cleansing methods adequately deal with the tapeworm.

Homozon, developed by Dr Eugene Blass in 1898, is a compound which binds oxygen to magnesium. It remains the best-known intestinal cleanser for the removal of impacted waste material from the linings of the large intestine. Nothing, other than mechanical extraction, compares in its power when used for such a purpose.

It is intended for short-term use only. Other oxygenating substances can be used afterwards to maintain stasis of the colon.

Be sure that any internal oxygenating substances used are not chlorine based (as many are), because these deplete iodine which is required for the normal function of the thyroid gland.

Always follow up cleansing with probiotics such as acidophilus/bifidus (as should also be done whenever taking antibiotics).²

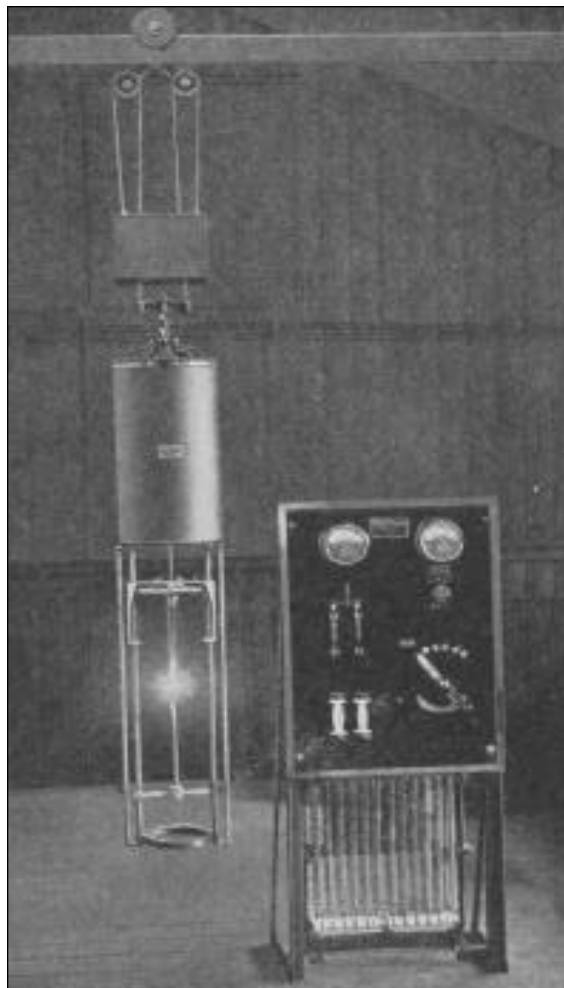
Death begins in the colon for reasons that should be obvious, yet very few people properly address

this critical issue of personal hygiene, even though doing so would likely reduce the illness rate of the entire population by perhaps 85 per cent or more.

Such knowledge, if discovered and practised by the average citizen, would have serious impact on the economic structure of the medical industry—which is why, should you ask a doctor for advice on the concept of colon cleansing, the answer you will get will be discouraging.

Doctors are trained to respond in this manner, as they were told in medical school how to avoid questions that would place the profession in a dim light, which is where it should be.

The last thing capitalistic medicine desires is to deliver true health; if it did, this would result in a tremendous loss of customers.



Operational carbon arc lamp.

(Source: E. H. Russell and W. K. Russell, *Ultra-Violet Radiation and Actinotherapy*, E. & S. Livingstone, Edinburgh, 1925)

Herbal intestinal cleanses of numerous varieties based upon known purgatives are quite effective in eliminating most parasites, but the mighty tapeworm often escapes total destruction from almost any form of herbal or chemical assault upon it.

However, the tapeworm cannot survive mechanical fracture when exposed to the high energy levels of full-spectrum vibratory light. The energy impinged at close proximity to the loci of the electric carbon arc is so great that the animal simply breaks apart throughout the entire length of its body within 30 seconds of such intense light exposure.

THE CARBON ARC LAMP

The energy band of the carbon arc electric lamp ranges from the heat-producing invisible infrared end of the light spectrum through the invisible ultraviolet, to wavelengths as short as 180 nanometres, which remain below the spectral band of the dangerous energy emitted by X-rays. Thus the radiation exposures from the electric carbon arc lamp are not ionising as are X-rays and thus constitute no danger to the user, other than perhaps erythemas (skin burns) produced by overexposure to the intense energy-laden light or conjunctivitis if one gazes into its alluring flame.

A simple and inexpensive electric carbon arc treatment lamp can be constructed for under US\$20. When used with proper precautions, it is safe and extremely effective. Carbon rods can be obtained by sawing in half D-sized battery cells; or, better still, longer copper-clad rods can be purchased from any welding supply store.

Carbon-arc-cutting carbons are popular with hobby welders who cannot afford the more expensive plasma cutters or hydraulic shears.

All that is required to create an arc illumination set-up is a pair of bricks with ventilation holes, a 12-gauge, 10- to 15-foot, heavy-duty extension cord, large alligator clips, and a resistive load such as an electric space heater, steam iron, hot plate, deep-fryer or electric skillet and, of course, a pair of carbon rods.

A ground fault interrupter (GFI) is highly recommended, though, as the exposed carbons represent a shock hazard if accidentally touched.

Assembly

Take a single-sided razor blade and pinch it off on a corner of the razor blade with a haemostat (or vice grip) so that the cutting edge extends below the jaws at a depth slightly less than the thickness of the insulation jacket. At a point about one foot from the socket end of the cord, slit the jacket for a length of about three feet and separate the wires from the jacket by cutting off the slit insulation material. At the mid-point of the white wire (or blue if European colour-coding is used), cut and strip the ends by half an inch to one inch and attach (preferably solder) the wires to each alligator clip.

The appliance which is to be used as the ballast load may or may not contain the third grounding pin. Such a device is desirable, as it offers a little more safety to an otherwise dangerous configuration, but

Items required:

- One 10- to 15-foot, 12-gauge extension cord with or without the third green grounding wire or three-pin plug and socket. Ungrounded two-wire cords may be used.
- Two alligator clips, medium sized so that the jaws will clamp around the carbon rods (e.g., Radio Shack #270-0344 at US\$2.59 a pair).
- One electrical heating appliance such as an electric space heater, steam iron, skillet, deep-fryer, waffle iron, etc. This will become the series-connected ballast load that will limit the current draw from the short circuit load that will occur when the arc is started or struck and will regulate current flow when illuminating.
- Two bricks with ventilation holes.
- Two carbon rods, as can be found at any welding supply store. A pair of D-sized batteries can be cut lengthwise and the carbon removed, but this is messy and hardly worth the effort.

Tools required:

- Insulated handle screwdriver
- Wire stripper
- Haemostat (vice grip)
- Single-edge razor blade
- Insulating carpet, newspapers, auto floor mats, etc.
- Table surface (for which heat discolouration and hot spatter damage is not an issue)
- Tennis shoes
- Rubber gloves
- Soldering gun/iron with radio solder (optional)
- Large 'C' clamp or furniture clamp

is not a necessity. Ungrounded appliances may be used for the ballast load.

Plug the appliance into the socket of the modified extension cord and operate its controls to maximum normal operation.

Because of the extreme danger of potentially fatal electric shocks as well as fire hazards, the physical location chosen for the treatment should be carefully considered. The carbon rods will spatter slightly during operation, and the small, hot, spark particles can easily start a fire or drop onto the surface below,



*"We tracked your petrol consumption problem.
There was a seven-metre-long tapeworm in your fuel injector."*

either burning it or discolouring it, so I would recommend setting up the rig in a basement or garage. Be sure that smoke detectors are not in the vicinity of your activity, as the smoke from the carbon fire may set them off with potentially dire consequences, especially if you do this in a commercial building with an automatic fire suppression system.

The concrete floor often found in these locations is dangerous because, whether or not it is dry, it offers an electrical ground return that can contribute greatly to the risk of electric shock; so it is imperative that the electrical supply circuit contain a GFI as is presently required under the US National Electrical Code. Older homes, however, are not under such a requirement until they are sold, in which case the seller is often required to bring house wiring up to current code levels prior to the sale of the home. Make sure that the outlet you select is so protected. It's also a good idea to have a companion present to assist you in the event of an accident.

Configuration and Treatment Process

Place the set-up on an insulated table so that the area below the navel will receive most of the irradiation exposure. Place a damp cloth or some object that will not be harmed by the flame or spatter from the carbon rods under the two bricks.

The bricks should face each other. Insert the carbon rods through the holes in the bricks and align the carbons so that the ends touch each other.

A large 'C' clamp or furniture clamp placed on the brick surface opposite the tips of the arc rods will allow you to adjust the space between the electrodes in order to maintain the flame as the carbons burn away. Clamp the alligator-clipped leads onto the ends of the carbon rods as far away as possible from the point where they come together, and then separate the rods to about 1/16th inch from each other.

By exposing oneself to the vibratory illuminative energy of the carbon arc lamp, many disease pathogens may be destroyed without harming adjacent healthy tissues.

Except for wearing tennis shoes and rubber gloves, stand naked on an insulating surface—such as several layers of old carpet, newspapers or the floor mats out of your car—so that you are protected from the floor. Make sure that any insulating material you select is completely dry; any moisture, whether obvious or not, constitutes a shock hazard.

Be sure that the power switch of the ballast appliance is on; if it has a rotary control, it should be set at maximum setting. Again, be sure to wear rubber gloves on your hands for added safety. Insert the power plug into a service outlet that is GFI protected.

Using an insulated screwdriver, draw the business end of the screwdriver across the gap between the rods so as to strike the arc. It is unnecessary to wear eye protection of any kind as the ultraviolet rays, contrary to popular belief, are beneficial to the eyes, although you do not want to look directly at the flame. Prolonged exposure will result in non-harmful but uncomfortable conjunctivitis which will disappear within a few days with no permanent harm to the mechanism of the eyes. The harmful rays of the shorter,

ultraviolet rays are absorbed within the eye so that the rods and cones are not damaged by such exposures.

Place your belly within four to six inches of the locus of the flame, and slowly rotate and squat slightly so that the entire abdomen is evenly exposed to the light. Stop the exposure after about 30 seconds or so by moving away from the flame and then unplugging the power plug from the service outlet. Without periodic adjustment of the spacing between the carbon rods, the arc will remain lit for a period of about 45 seconds or so, which is adequate for a single exposure.

Depending upon your particular bowel transfer time, results can be felt as a very dull discomfort that may tend to move in your abdomen. Within six to twelve hours, the body of the worm(s) will pass in the form of diarrhoea. The waste is often blue or green, which is excess bile being dumped by the liver and gall bladder. This is not the colour of the worm but the colour of your bile that didn't have time to process the waste which normally would change colour during the elimination process, which then is reddish-brown in colour. Future stool discharges may appear a light tan to almost white for a few days. Don't panic, as the bile creation will resume and the stool will again become its normal colour.

Should any gallstones have been present, it is probable that they disintegrated during the treatment and were painlessly passed without your knowledge. The use of an alternative liver and gall bladder cleanse method would be desirable at the time of exposure to ensure better and more complete elimination of these potentially problematic entities.³



Promotional postcard from a doctor in Milwaukee, Wisconsin, circa 1927, featuring a patient in traction being treated with light.

Bile is made from spent red blood cells (bilirubin) in the liver and is stored in the gall bladder. Its purpose is to mix with the waste products of metabolism, providing a protein source for decomposition of the excretory material. It is the bile that gives faeces its reddish-brown colour. When stored in the gall bladder, its colour is a yellow-greenish to almost a blue colour. It is highly alkaline and contains a lot of cholesterol. When inadequately secreted, bile is responsible for the formation of gallstones. Persons who are anaemic should not attempt to use the carbon arc on themselves because a significant amount of bile is discharged after an exposure to the powerful rays. I do not know for sure that this may be a problem, but it is better to err on the side of safety.

Rapid expulsion of bile potentially may create additional demand on the body to produce greater quantities of red blood cells which, in the case of someone with anaemia, may not be possible. If you don't know if you are anaemic, donate blood and you will find out for free!

Because the worm(s) may have laid eggs, new life may form after the adult worm has been eliminated. Simply repeat the process about once per week for at least a month so that the majority of parasites receive exposure at some point in their life-cycle, which tends to be about 28 days or so. Avoid eating pork products, as they tend to be highly infested with a range of parasites. High-temperature cooking tends not to destroy these organisms when in their spore form.

Always examine your stool carefully. If you see any foreign matter such as what appears to be small chunks of undigested peanuts or dry shards of what appears to be onion skin, you have parasites. Rectal itch indicates pin worms. Watch for black patches, as these possibly indicate bleeding in the

intestinal linings which may be indicative of cancer. Red blood in the stool can be detected with "at-home" Hemocult cancer tests that involve placing special papers in the toilet and watching for colour changes which indicate blood being present. Obvious red blood is not necessarily serious, although it is a good idea to have this checked out. Black patches should be of grave concern, and should be examined immediately by a doctor. However, if the intestines are properly maintained through periodic cleansing, these deadly cancers will seldom develop. Men and women alike are affected by this condition, and age has little to do with it.

UNIQUE CHARACTERISTICS OF DISEASED CELLS

Diseased cells differ from healthy ones in that they always form crystals in their outer coatings. These crystals, being solids, all have a unique resonant frequency which, when excited by an in-phase coordinating oscillation, tend to shake violently—which will often result in envelope fracture and, subsequently, break-up.

Because the carbon arc is so powerful and contains the entire 49th octave of energy, there is likely to be an harmonic of some frequency that will resonate with the solid crystal formations within diseased cells of many varieties. So it is conceivable that by exposing oneself to the vibratory illuminative energy of the carbon arc lamp, many disease pathogens may be destroyed without harming adjacent healthy tissues (which are soft and pliable, having no solid crystal formations of their own). This action would resemble the Lakhovsky effect, although the frequency band is obviously different, the energy being in the light spectrum rather than being an harmonic of some radio frequency.⁴

Author's Notes:

- The author makes no claims either expressed or implied that the information as presented is accurate or complete and does not warrant the fitness of the information for any purpose. The information is not intended to be medical advice; nor is any treatment method recommended or discouraged. This writing is for informational purposes only. Readers are advised to seek qualified professional help from authorised practitioners prior to any use of the information contained herein.

- The author welcomes feedback from people about the experiences they are having with this amazing technology from yesteryear, effects on cancer tumours being of special interest. Reported experiences will be incorporated in future releases of this document. Comments can be emailed to the author via the website <http://www.kootiekiller.us>.

About the Author:

Carmi B. Hazen is an amateur medical researcher and investigative journalist with an interest in energy medicine. For the last five years or so he has been collecting

medical books dating from the late 1800s through to the mid-1930s. At that time, pharmaceuticals were far less prolific than they are today, and energy treatment methods were well established and in common use in many medical offices.

Carmi has a museum of sorts, containing numerous electrical and light apparatus that were commonly found in medical offices, mostly in the London, England, area. Much of his research has been in recreating the Rife machine energy technology. He has found a way to cure the common cold with a form of charged oxygen gas therapy; it devitalises or kills some viruses *in vivo*. He discovered the carbon arc method of intestinal parasite elimination by his own experimentation.

Carmi Hazen is the author of an e-book titled *What They Didn't Teach Your Doctor In Medical School* and re-published a classic medical book from 1913 titled *Cancer: Its Cause And Treatment Without Operation* by Robert Bell, MD; see <http://www.lulu.com/comdyne>.

He can be contacted via his website, <http://www.kootiekiller.us>.

Endnotes

1. See <http://www.soilandhealth.org/02/0201hyglibcat/020155fielder/fielder-sunbath.htm>.

2. See <http://www.healthsprings.net/Products/homozon.htm>.

3. See <http://curezone.com/cleanse/liver/default.asp>.

4. To learn more about the Lakhovsky effect, go to: <http://www.altered-states.net/barry/newsletter174/>, or http://www.zephyrtechnology.com/Multi-Wave_Oscillator/body_multi-wave_oscillator_.html.

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THE SCALE-EXPANDING COSMOS THEORY

This theory of cosmological scale expansion may provide the missing link between general relativity and quantum mechanics and is in better agreement with astronomical observations than is the Big Bang theory.

by C. Johan Masreliez, PhD
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1. Introduction

What is your opinion about the Big Bang (BB) theory? Maybe you have come across speculations that our universe was spun off from a "mother universe" or that it was created in an extremely huge quantum fluctuation. The problem with this, as with any other idea trying to explain the creation of the universe, is that we never will be able to confirm it; the creation scenario will always remain nebulous.

Before the Big Bang idea gained popularity in the middle of the 20th century, most people believed that the world exists eternally. In fact, an eternally existing universe was championed by Parmenides some 2,500 years ago. He argued that either the universe exists or it doesn't exist. If it exists, it obviously cannot have been created from something that does not exist, because non-existence means nothingness. *Therefore, the universe must always have existed.* This line of reasoning makes perfect sense, but the mind reels when confronted with the idea of eternal existence.

However, there is a new cosmological model, the Scale-Expanding Cosmos (SEC) theory, which allows perpetual existence. This new model is mathematically simple, is internally self-consistent, and offers many advantages over the BB theory, for example:

- The SEC theory is a comprehensive theory developed from first principles.
- The SEC theory better agrees with actual astronomical observations than does the BB model.
- The SEC theory is internally self-consistent. It addresses a range of existing problems that previously appeared to be unrelated.
- The SEC theory explains what makes time progress.
- The SEC theory provides the missing link between general relativity (GR) theory and quantum mechanics (QM) theory and explains why there is a quantum world.

This new theory implies a very different, yet simpler, world view. It involves new ideas, but is supported by observational data and conceptual clarity. The SEC theory is elegant compared to the BB patchwork.

This paper presents the philosophical and conceptual aspects of the SEC theory as well as some of its implications. The reader interested in the mathematical aspects or the observational details may consult my article in *Physics Essays* (Masreliez, 2006b) and my papers listed in the references.

2. How we got on the wrong track

The Big Bang theory was developed in an attempt to marry astronomical observations to the belief that there must have been a creation event. I will assume that the reader is familiar with the main justification for the Big Bang idea, which is the cosmological redshift. The frequency of light from galaxies is reduced; it is "redshifted" in proportion to their distances from us, which has been interpreted as a Doppler-type effect caused by their motion away from us. With this assumption, the Big Bang idea was born. If galaxies are moving away from each other, they must have been closer together in the past. Extrapolating this farther backward in time, we end up in an infinitely dense state—the Big Bang creation event.

This model of the universe also gained support from the fact that a spatially expanding universe may be modelled by GR, which gave the model physical credibility. Two additional observations seemingly support the Big Bang: the light element abundances and the Cosmic Microwave Background (CMB) radiation.

Advocates for the Big Bang scenario estimated the proportions of light elements like hydrogen, helium and lithium that could have been created in the BB event and found that they seemed to agree with what actually is observed in our present universe. Regarding the CMB, which was thought to be remaining radiation from the BB, they estimated the temperature to be about 50 degrees Kelvin.

Later, when additional observations revised the light element abundance estimates, the BB supporters repeatedly adjusted their assumptions about the BB to agree with the new observations. Also, when the CMB temperature was found to be about three degrees Kelvin instead of 50 degrees, the Big Bang scenario was adjusted to accommodate this new finding.

This set the stage for a development that still continues: whenever observations disagree with some particular prediction of the BB model, the model is adjusted to patch up the disagreement.

What cannot easily be accommodated is often blamed on "evolution", with the explanation that the observations from the faraway earlier universe do not agree with the BB model simply because the universe was different in the past.

It is not unusual that a patch that resolves one particular problem with the BB undoes another patch solving a different problem. Of course, this is not science; but, since nobody can ever know anything about the conditions during the Big Bang, it is always possible to explain away discrepancies by adjusting the model or by invoking evolution.

A different model gained its own followers, mainly in England: the so-called Steady State (SS) theory. The Steady State supporters accepted the expanding space idea but proposed that new matter continually is being created to fill up expanding voids between galaxies.

In this way, the universe could keep expanding forever without the BB. In the 1950s, the debate ran hot between these two camps, but the BB eventually won out because of the CMB.

The CMB is believed to be the afterglow of the BB event and should therefore have certain characteristics. In particular, it should have a Planck black-body spectrum. But this spectrum is very difficult to explain in the steady-state, expanding space scenario.

When measurements eventually showed that the CMB spectrum actually is very close to the black-body spectrum, the steady state theory lost ground and the BB theory became the accepted paradigm for the universe. This happened 40 to 50 years ago.

However, the more we learn about the cosmos from new observations, the clearer it has become that the BB model simply does not agree with observations. Science is now confronted with a very serious problem: thousands of papers over the years have been written on the BB model and hundreds of PhDs have been awarded for investigating particular aspects of this model. However, an open letter to the science community challenging the Big Bang was published in *New*

Scientist in May 2004, signed by 33 well-known researchers. This letter now has over 150 signatories.

3. The Scale Expanding Cosmos (SEC) theory

The main reason why challenges to the BB have failed is that, since the demise of the Steady State theory, no competing theory has been available. Even if you sense that the BB must be wrong, it is difficult to challenge it if you cannot suggest a better model. However, this has now changed; a better model now exists. This new model resolves many cosmological puzzles and is so simple and elegant that you might wonder why nobody has thought of it before. Here it is in just a few words...

The universe expands by changing the scale of both space and time.

When the length of a metre (or foot) expands, the pace of time slows down, making time intervals like the second longer in proportion. This new model explains all cosmological observations including the CMB without resorting to speculation or evolution. In the SEC, the CMB is simply thermalised radiation including starlight, which over aeons has assumed a black-body spectrum by redshifting. Four-dimensional scale expansion, which preserves the black-body spectrum, makes this possible (Masreliez, 2004a).

The light element abundances may be explained as resulting from active galaxy nuclei and quasars, which often are seen ejecting gas in jets (Masreliez, 2004b). Furthermore, the SEC theory tells us what is causing the progression of time and provides the missing connection between GR and QM (Masreliez, 2005a); and it turns out that black holes cannot form (Masreliez, 2004c).

As Einstein showed us, it is often the hidden presumptions that cause us to misunderstand the true nature of the world. He showed that the pace of time might differ between objects in motion and objects at rest and that a gravitational field also might influence

the pace of time. Thus, he challenged the presumption that the pace of time always is the same everywhere.

The SEC theory goes one step further by proposing that *the pace of time also might change with time*. When space expands, the pace of time slows down.

One reason why Einstein might have overlooked this possibility is that his general relativity theory does not have any provision for modelling a decreasing (proper) pace of time; it assumes that the pace of time for an object at rest always remains the same.

4. How the SEC theory explains the universe

Let's consider the following thought experiment. Imagine that you are the Creator, facing the task of creating something, for example an apple, from nothingness. What size should you make this primordial apple? It occurs to you that since there is no reference, you could actually make it any size, like a pea, a basketball or even like the Earth, provided you create all atoms in the apple to scale. And since atoms oscillate, you would also have to adjust the pace of time to match.

This reasoning suggests that the cosmological scale of space and time might be changing, which is the essence of the SEC theory.

With this primordial apple as a start, you can then create the rest of the world in proportion. If this isn't true, there must be something in "nothingness" that determines the scale of things, which contradicts the concept of nothingness.

We conclude that physically equivalent universes might exist at different scales and that no particular cosmological scale is preferred; the cosmos is "scale-equivalent". This reasoning suggests that the cosmological scale of space and time might be changing, which is the essence of the SEC theory.

A scale-expanding cosmos has no beginning or end; the scale may continually keep expanding forever. Thus, there is no BB event to consider, so eliminating the most troublesome aspect of the BB theory. An observer in the SEC, like you or I, expands together with the universe and will not notice the expansion locally, since everything else in our environment, including material objects, expands at the same pace.

Although we cannot notice the expansion locally, its effects can be seen in the redshift of light from faraway galaxies. However, this redshift is not due to recession. If we were able to extend a very (very!) long measuring tape between two galaxies, we would find that they remained in the same relative positions since the tape expands together with everything else. And if we timed a light beam between the galaxies, we would find the same constant time interval since the pace of time slows down when space expands.

Thus, relative positions of galaxies remain the same. You might say that the universe expands without expanding! The cosmological explanation is in *scale*, which does not change relationships between the three spatial metrics and the temporal metric. The cosmological redshift therefore is an expanding space-time effect.

Furthermore, since universes of different scales are physically equivalent, the scale expansion may progress without cosmological ageing. You may object to this because it seems to violate thermodynamics by suggesting that the universe is a perpetual motion "machine". However, this conundrum is resolved by the previously unanticipated slowing progression of time, which has the effect of inducing cosmological energy.

Although the idea of cosmological scale expansion seems natural to most people without scientific training, people in science might have a hard time with this simple idea because *physically equivalent cosmological scale expansion cannot be modelled by GR*. Since general relativity and quantum mechanics are the two central pillars of modern physics, it is unthinkable for people in academia to consider anything that might violate GR.

But, scale expansion is such a simple and natural idea that it seems wrong to abandon it simply because it cannot be modelled by GR. Quoting Carl Sagan from his book *Cosmos*:

We must understand that the cosmos is what it is and not confuse how it is with what we wish it to be. The obvious is sometimes false; the unexpected sometimes true.

5. The SEC theory implies new physics

Let's try to model scale expansion. We have to come up with a way to model how time expands relative to time. We might try to use differential methods and form the derivative of time with respect to time, which is dt/dt . Since dt/dt always equals one, we conclude that time always progresses at the same pace relative to itself. This doesn't help. However, if instead of time we use the cosmological scale as an additional parameter, we could model a scale that increases with time in GR. However, we will then get a cosmological model that changes with time, and lose the fundamental feature of cosmological scale-equivalence. This model would lead to a BB-type scenario.

This problem occupied my mind for about two years. I found that this also had been an insurmountable obstacle for other investigators, who in the past followed the same trail of thoughts. Finally I concluded that GR must be *incomplete* since it cannot model scale-equivalent cosmological expansion. At first this was a disappointment, but I thought that scale expansion was such a simple and pure idea and that it should be possible, even if it couldn't be modelled by GR. After having further investigated the properties of

the SEC and finding that it accurately models the world as we see it, I gradually became convinced that GR should be generalised to make possible *discrete* scale adjustments. I found that if the cosmological scale were to change in small and rapid increments, the SEC could be modelled by GR! GR is "blind" to discrete, stepwise scale changes; Einstein's equations remain unaffected. If the cosmological expansion were to occur in discrete scale increments, thus being treated as a "fifth dimension" beyond the four space-time dimensions, GR could still be used.

A scale-expanding cosmos has no beginning or end; the scale may continually keep expanding forever. Thus, there is no Big Bang event to consider.



Somerville

If we accept this solution to our modelling problem, we will also gain two very important advantages. First, the progression of time is explained; *the incrementally increasing scale makes time progress*, which also explains why it has been impossible to model the progression of time in GR. The second advantage is that a discretely expanding scale would provide a direct link between general relativity and quantum mechanics (see also section 10).

6. Cosmic Drag

One immediate consequence of the Scale Expanding Cosmos model is that relative velocities of freely moving "particles" (I take a particle to mean any object with positive rest mass) will slow down with time. Relative velocities much lower than the speed of light will diminish exponentially with time, with a time constant that equals the Hubble time. The Hubble time is the age of the universe in the BB model, which is about 14 billion years. This means that relative velocities between galaxies tend to be quite small because of cosmic drag. They may be estimated from observations and typically are less than one per cent of the speed of light. This has been difficult to explain in the BB picture where numerical simulations indicate that relative velocities ought to be a lot higher than what is observed. On the other hand, particles initially moving at the speed of light—for example, photons—will continue to move at the speed of light. This is perhaps strange, but it follows directly from GR (Masreliez, 2004a).

Cosmic drag will also slow down relative rotating motion, causing angular momenta to decrease exponentially with time. As a consequence, stars in motion in a spiral galaxy will follow spiral trajectories on their inward paths and gravitational attraction between them will form the beautiful spiral arms we observe. Thus, the SEC theory would also explain the formation of spiral galaxies, which has been a previously unresolved problem (Masreliez, 2004b).

Furthermore, cosmic drag should influence the planetary motions in our solar system, causing the planets to approach the Sun slowly in spiral orbits. The Earth would approach the Sun by about 20 metres per year and the angular velocity would accelerate. This effect is extremely small and therefore has gone unnoticed until very recently. We haven't detected this spiralling motion earlier because the concept of time in astronomy was in the past determined by the rotation of the Earth and by the motion of the Earth around the Sun. Obviously, if one defines the length of the year as the time it takes for the Earth to circumnavigate the Sun, any possible acceleration of the Earth in its orbit around the Sun will be undetectable because of the way we have defined time.

This made it impossible to detect the spiralling motions before the introduction of atomic time in 1955, but now, after observations have been made for 50 years with access to atomic time, discrepancies are starting to appear, showing that currently we have a mysterious, unresolved problem in astronomy. This is a very interesting "breaking news" situation, which soon may confirm the SEC theory.

This new development might ignite a "new Copernican revolution" that will change our world-view for ever.

7. Estimating the planetary orbits

Nobody knows when the first human raised her eyes to the heavens and noticed that not all stars were stationary but that a few of them seemed to wander. Although the significance of these wandering stars was unknown, they were recognised as being special, and people started to map and predict their motions.

Today the planetary orbits are still of central importance to the NASA space program. Predicting the planetary orbits, or the planetary ephemerides as they now are called, is one of the responsibilities of the Jet Propulsion Laboratory (JPL), which is a division of NASA.

Traditionally the planetary orbits were estimated with the help of Newton's laws of motion and his law of gravitation, by which the planetary orbits are elliptical. Thus, planetary orbits were in the past fitted to elliptical orbits based on optical observations, which determined the orbital parameters. In this process of

fitting the orbital parameters, the time-base was also estimated and adjusted for best fit to the observations. This was a very difficult and time-consuming task, which later was simplified by the use of digital computers.

By the middle of the 20th century, the procedure and method of computing the planetary ephemerides were well understood, and advanced computer programs were developed that allowed us to take into account gravitational influences between the planets as well as the larger asteroids.

The time-base was still estimated together with the planetary motions.

In the middle of the 20th century, a new time standard entered the scene. This was atomic time, based on sub-microscopic oscillation. This new time standard was adopted by astronomy in 1955; hence, all observations since then have been tied to atomic time.

After the adoption of atomic time, it was suggested that the ephemerides should be based on atomic time rather than on an estimate from planetary motions. However, this proposal was rejected by JPL (Standish, 1998). In the 1970s it became possible to refine the orbits further by making use of radar ranging measurements between the planets, which are at least one order of magnitude more accurate than the optical data.

Today, the ephemerides are primarily based on radar ranging data between the Earth and the other three inner planets. Optical observations are only used for the outer planets.

JPL rejects the optical data for the inner planets because not only are the optical observations less accurate, but they also show a consistent bias—a bias that repeatedly has been confirmed by several independent investigators.

Since the ranging data are superior to optical data, JPL has ignored this discordance, suspecting that the optical discrepancies are due to some kind of systematic error, but nobody knows what might be causing it. Also, when fitting the ranging data, earlier measurements from the beginning of the ranging program do not seem to fit.

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8. Explaining the planetary discrepancies

In order to understand what may be going on, we have to recall a fundamental aspect of GR.

General relativity theory describes the world using coordinates for space and time that may be selected more or less freely. We might think of a specific coordinate selection as a particular pair of glasses that lets you view the situation in a certain way, but GR does not tell us which choice of glasses is the "right" one.

In the SEC theory, space is flat but space-time is curved due to the accelerating scale expansion. This causes the cosmological redshift and cosmic drag. But, to every curved space-time there always corresponds a locally flat space-time, just like a planar surface locally approximates a curved surface. Thus, there exists a locally flat coordinate representation even here in our solar system. In this coordinate system, the planetary orbits are determined by Newton's laws; the orbits are "Newtonian" (with relativistic corrections).

If there is cosmological curvature as predicted by the SEC theory, the cosmological time-base—which I will assume is proportional to atomic time and is incorporated in barycentric dynamical time (TDB)—will differ from the ephemeris time-base determined from the orbits, which JPL calls " T_{eph} ".

However, fitting the range measurements to Newtonian orbits could lead to the wrong conclusion. *By fitting the measured distances to essentially Newtonian orbits, the computer program might automatically select the locally flat coordinates for which Newton's laws apply.*

This will of course create excellent agreement with the ranging measurements, which JPL apparently thinks confirms the validity of its approach. But this is circular reasoning, since the coordinates for which the orbits become Newtonian may differ from the cosmological coordinates. In particular, the T_{eph} time-base may not be proportional to atomic time.

If the SEC theory is right, T_{eph} accelerates relative to atomic time.

In the construction of the ephemerides, JPL fits atomic time as closely as possible to T_{eph} in the belief that T_{eph} is identical to atomic time except for a scale factor. By this procedure, the maximum difference between T_{eph} and atomic time predicted by the SEC theory could be reduced to merely 0.10–0.15 seconds during a 30-year observation interval. This corresponds to a few kilometres' ranging error, which currently also is the estimated accuracy of the JPL ephemerides.

However, as already mentioned, earlier ranging observations taken in the beginning of the ranging program no longer agree with the updated ephemerides and therefore, like the optical observations, are considered inaccurate. It is possible that both this earlier ranging data and the optical data would fit the ephemerides if the SEC model were adopted. We might be on the verge of a discovery of historical significance!

9. The question of a cosmological reference frame

After this hopefully intriguing detour, let us return to highlighting a few additional properties of the SEC theory. The existence of cosmic drag would invalidate Newton's first law of motion and cause a major revision of science, which partly may explain the total silence with which the SEC theory has been met. But, on the flip side, it would resolve a festering problem since the days of Newton: the question of a cosmological reference frame.

In his famous spinning bucket experiment, Isaac Newton observed that the surface of the water in a spinning bucket becomes concave and he concluded that the bucket somehow "senses" that it is spinning. But, spinning relative to what? It is not the Earth because the planets are subjected to the same force in their motion around the Sun, and it is not the Sun since stars in a galaxy are subjected to the same force.

Newton concluded that a frame of absolute universal rest must exist, and this became the subject of a celebrated debate between Clark, who spoke for Newton's position, and Leibniz, who contended that all motion is relative.

From the time of Newton until Einstein's special relativity theory appeared in 1905, people were convinced that there was a cosmological reference frame defined by the "aether", which was believed to be some undefined kind of "plenum" in absolute rest carrying light and the electromagnetic field. Einstein did away with the aether, but only for a relatively short time—the 11 years between 1905 and 1916.

After introducing GR in 1916, he gradually changed his position. By the end of his life, Einstein was convinced that space-time was a new form of aether that somehow served as a reference frame for inertia.

Cosmic drag would resolve this problem by defining the cosmological reference frame as the frame toward which all motion converges. Thus, in the SEC, the cosmological reference frame is self-induced by bootstrapping caused by diminishing relative

velocities and rotations. This should be good news, since physics desperately needs a cosmological reference frame to explain the phenomenon of inertia (Masreliez, 2006a) and of non-local influences of the quantum world. It also would explain the CMB dipole, which indicates that the solar system is in motion relative to the very distant universe at about 350 km/sec.

10. The SEC explains the quantum world

One of the most embarrassing problems of contemporary science is that there seemingly is no connection between its two dominant theories: general relativity and quantum mechanics. These theories successfully model different aspects of the world, but they are starkly different in both philosophical approach and scope. GR applies to gravitation and cosmology, while QM deals with the sub-microscopic world. Although these two theories describe different aspects of the same universe, it is perplexing that they are so different and are incompatible.

One of the most embarrassing problems of contemporary science is that there seemingly is no connection between its two dominant theories: general relativity and quantum mechanics.

The SEC theory provides a simple solution to this dilemma, since it allows quantum mechanics to be derived from general relativity.

The key to understanding what is going on is the incremental scale expansion of the SEC theory.

Scale expansion means that the length of a fixed distance like a metre slowly expands and that the pace of time slowly decreases. If this were a continuous process we would not notice it locally, but according to the SEC theory it is an incremental process. The scale expands a tiny bit and then we "jump into" the new scale by a discrete step. Like a child who repeatedly grows out of her clothes and gets them replaced by new, larger clothes, we repeatedly grow out of our scale before jumping into the bigger scale by abruptly changing the pace of time.

This expansion process is of course new and at first we might not believe it can be true. However, it is possible to model this process in GR by considering oscillating scale (metrics). We find that GR with oscillating metrics describes the quantum world! This is presented in my paper (Masreliez, 2005a), where I show how the QM theory may be derived from the GR theory. Now we understand that the quantum world is a direct consequence of incremental cosmological scale expansion!

11. Can any cosmological model really describe the universe?

A cosmological model not only describes properties of the universe but, more importantly, it reflects what we know. We are constrained by our presumptions, biases and current level of insight. This has always been true. Ancient people perceived the universe as filled with mythological creatures. We know more now, but we still must use familiar concepts to describe the cosmos. Science tries to explain Nature by constructing models from which various features may be portrayed and

predicted. But these models can be no better than the "material" we use to build them with, this "material" being known and accepted epistemology.

From our past experience it is clear that the old models of the universe were inadequate simply because people did not know enough, and this also applies today. Any model we can conceive of is bound to be incomplete or perhaps even wrong; we simply do not know enough yet, and we will never know everything.

The only thing we can hope for is a model that makes sense to us with our current level of understanding. A good model

should agree with observations and be internally consistent. Any cosmos model that does better in this regard is an improved model, even if it means that we have to use new building materials. This is the way progress is made.

With our current knowledge, the model should seem right, at least until we learn more. Therefore, we should not believe any model is the "last word". We should realise that a cosmos model is only a tool for us to try to make better sense of the world.

The BB and the SEC theories

should be viewed with this in mind.

That said, it should be obvious to the reader that at this time the SEC theory is a better model of the universe than the BB model. The minimum requirement that a model should agree with observations and be internally consistent is not satisfied by the Big Bang.

The Scale-Expanding Cosmos theory explains many previously unresolved cosmological puzzles. It agrees with observations without resorting to strange assumptions like "dark matter" or "dark energy", and observations agree with the SEC model's prediction without the need for speculation on decelerating expansion or accelerating expansion or on evolution. Furthermore, this new model explains what causes the progression of time and why there is a quantum world.

The SEC theory provides a simple solution to this dilemma, since it allows quantum mechanics to be derived from general relativity.

Author's Acknowledgements:

I would like to thank Richard Moody, Jr, for suggesting that I have this essay published in *NEXUS* magazine and for his helpful comments. I would also like to acknowledge Del Miller's editorial suggestions.

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RAINBOX WATER GENERATOR: Pure Drinking Water from the Air We Breathe

Many major breakthroughs and scientific advancements are the result of hard work, diligence and attention to detail. Others are the result of luck, hunches and being in the right place at the right time. The invention of these water generators is no exception, and contains elements of both luck and hard work.

The inventors of the water generator concept are Daniel R. Engel and Matthew E. Clasby, Jr. The story of their invention begins in 1987 on an unusually hot, humid and somewhat frustrating summer's day at a steel mill in Beaumont, Texas. Matt and Dan were working as technical repair engineers and their primary responsibility was to be available on short notice for emergency repairs within the plant.

On this particular day, Matt received a phone call summoning them to an emergency in one of the fabrication buildings, a long massive structure with one side open to the outdoors. They gathered the necessary equipment and drove the repair vehicle to the emergency site. It was large enough to house two or three jumbo jets simultaneously. Matt said they were lucky this time: the required repairs were located on the mechanical assemblies of a conveyor belt only 20 to 25 feet above the ground, not high overhead (which literally meant working at elevations several storeys above the ground).

As they drove into the building, Dan noticed the windshield was getting drenched with water. They both looked around to determine who was spraying their vehicle, assuming it was some kind of practical joke. They exited the repair truck and immediately noticed the building's entire floor was also covered with water. Matt and Dan both suddenly realised that water was mysteriously falling inside the massive structure: it was literally *raining* inside the building. They sat down to enjoy this light-to-medium shower raining down upon them.

The next question was: how could this happen? The hangar was used to house steel that had been heated to a liquefying temperature of 3,200 degrees and then formed and shaped. The hot formed-and-shaped steel was spread throughout the length of the building, cooling on the conveyors. It seemed that the heat from the steel was mixing with the humid outdoor air currents passing through the building, causing it to rain right there inside the building—a steady, light-to-medium rain that fell for several minutes.

They then discussed how it could benefit the people of the world to have consistent access to an unlimited supply of fresh water. That was the very beginning of the water project. After that summer of 1987, Matt and Dan started conducting experiments to re-create the conditions they had witnessed in the large building. They tried different ways to introduce streams of air into a box and collect the water produced. They investigated various technologies, materials and systems but were unable to produce a working model using the airflow concept they had observed. When they sat down and analysed the situation, they realised that the cool air flowing through the building was coming into contact with the hot metal

suspended on the conveyors. This contact of cool air on hot steel caused condensation to occur on such a large scale that it caused the rain to fall inside the building.

Matt and Dan eventually began to experiment with a refrigeration means to condense water, and the process worked. In early 1989, the two began building prototypes.

On 9 November 1993, they were granted a US patent on their atmospheric water generator. On 29 June 2004, they were granted a second patent—US and foreign with worldwide rights.

Finally, Dan and Matt realised another part of their dream. Through Global Water Ltd, and in a strategic alliance with the Aucma Group of China, their water generators are now being manufactured to provide the world with an unlimited supply of pure, fresh, drinking water. (See the website <http://www.globalrainbox.com>.) The Rainbox water generator is currently made in various sizes, including one model that makes 1,500 gallons of water per day.

Daniel Engel is a resident of Cleveland, Ohio, and Matthew Clasby, Jr, is a resident of Orange, Texas.

(Source: *Onlypunjab.com*, 1 March 2006, <http://onlypunjab.com/fullstory2k5-insight-news-status-22-newsID-88049.html>)



"It's been a hard week. Can I have a swig?"

THE REVOLUTIONARY "MASSIVE YET TINY" ENGINE

Angel Labs, based in Lodi, California, has developed a new type of internal combustion engine known as the Massive Yet Tiny™ (MYT™) Engine or the Mighty Engine™ (ME).

The MYT Engine is claimed to deliver 848 horsepower (hp) from an engine weighing just 150 pounds, which would give it a power-to-weight ratio 40 times greater than a standard internal combustion engine. The MYT Engine has the potential to replace all the existing internal combustion engines and jet engines.

With 40 times higher power-to-weight ratio, low parts count, low maintenance, high mechanical efficiency and low pollution, the MYT Engine will benefit airplane, big ship, 18-wheeler, SUV and passenger car, even down to carry-on power generator applications. The MYT engine working as a pump/compressor also exceeds existing pumps/compressors in providing massive pressure, volume and flow, all in one unit.

Theory behind the engine

1) The Mighty Engine (ME) design is very small and simple. The prototype has a 14-inch diameter and is 14 inches long. It weighs 150 pounds. There are only 26 moving parts, 31 parts in total. The first prototype uses diesel or biodiesel for fuel. (The ME design accommodates dramatic reductions in size, depending on the application of the engine.) Through two revolutions of its crankshaft, the ME firing

cycle is equivalent to a 32-cylinder reciprocating engine; that is, it fires 32 times. As a result, its displacement is equivalent to an 848-cubic-inch reciprocating engine, despite its compactness. The design is modular, and additional units can be connected to increase power.

2) At 150 lb, the basic ME design needs only to produce 3,000 hp from 848 cubic inches to produce a 20:1 power-to-weight ratio. By replacing the rear cover of the ME and connecting another ME chamber assembly (adding two inches in length and little additional weight) the ME now becomes a 64-cylinder engine of 1,695 cubic inches, raising the power-to-weight ratio up to 40:1.

3) Since the ME lacks 80% of the parts normally found in a reciprocating internal combustion engine that are responsible for high friction and parasitic losses, this normally dormant horsepower is now available and would increase the total deliverable output of the ME.

4) Normally, in a compression ignition (diesel) engine, combustion begins at TDC (top dead centre) at the zero-degree crankshaft position. The expanding gases push the piston down on the power stroke, rotating the crankshaft 180 degrees. The piston then returns to TDC, pushing the exhaust at the exhaust stroke and rotating the crankshaft another 180 degrees. This is the burning time in a standard engine: a total of 360 degrees' duration.

5) On a dynamometer, an engine's combustion temperature is typically measured at two inches from the exhaust ports, on the premise that the combustion temperature is very close to exhaust temperature. This is due to the zero-degree duration at TDC and the 360 degrees' running duration of a standard engine.

However, if at TDC the piston is allowed to stay for a longer duration, it will burn a greater percentage of the fuel and air mixture in the combustion chamber until oxygen or fuel theoretically runs out

at the end of the power stroke, thereby totally completing the combustion process and drastically lowering the exhaust temperature at the end of the exhaust stroke.

6) The ME design permits the piston dwell at TDC to be adjustable. The prototype ME is currently set at approx. 12 degrees of the crankshaft rotation, thereby approaching the perfection of a complete burn of all fuel. Its exhaust gases are much cooler. As a result:

- More energy is harnessed for the same amount of fuel and air input.
- There is less left-over fuel to continue to burn at the exhaust stroke.
- There is less waste and pollution.

7) The higher compression ratios used in diesel engines result in greater thermal expansion of gases in the cylinder. The end result is a high percentage of fuel energy being converted into useful power. In the ME design, a compression ratio as high as 70:1 can be attained due to the absence of the restrictive reciprocating components. Specifically:

- The combustion chambers in the ME have no design limitations, due to the absence of valves. (The internal combustion engine is an air pump. Airflow through intake and exhaust ports is normally restricted by valves. The ME has no valves—just open ports with no restriction. Airflow action is one way.)

• There are no odd or brand-new parts within the cylinder. All the parts are proven designs used in reciprocating engines.

- The entire engine acts as a heat sink and a radiator. It is both air and oil cooled.

• There is no thrust-loading on piston skirts.

- Pistons do not touch the cylinder walls; only the rings do.

• Pistons travel only the same direction: no reciprocation; only stop and go.

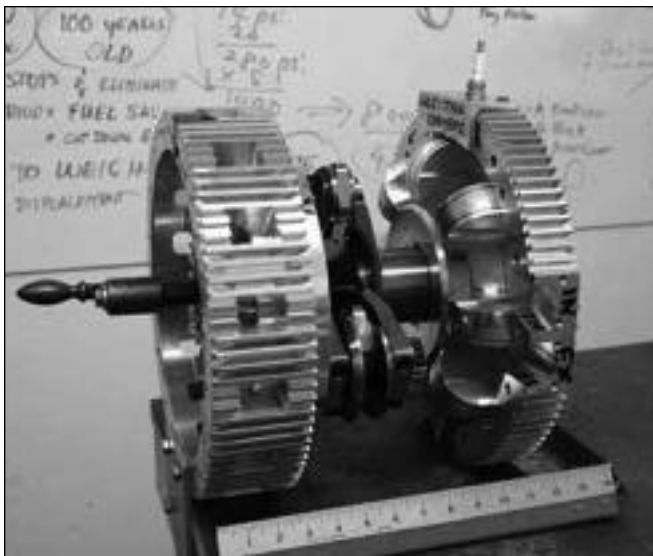
- There is high rpm potential for all of these reasons.

• It has no cylinder heads, no cam shaft, no valves. (The ME is equivalent to the bottom end of a reciprocating engine.)

• Intake compression and power stroke and exhaust stroke events are happening all at the same time, so there are no load strokes.

- The ME design is not a rotary or a Wankel design.

(Source: Angel Labs, tel +1 (408) 667 1979, email jin@angellabslc.com, website <http://www.angellabslc.com>)



The MYT™ (Massive Yet Tiny™) or Mighty Engine™

MARCUS REID'S CRYSTAL UNITS

Editor's note: German engineer and free-energy researcher Eckhard Kantz posted the following on his website in April 2006.

I confirm that I have received and thoroughly investigated to the best of my knowledge some multiple battery-like devices that deliver a continuous energy output without any energy input which would be visible to my (current) measurement equipment.

The devices were provided by Marcus Reid, the developer and manufacturer of these units. I am an engineer of energy devices and had the pleasure to take over the task and responsibility for conducting all kinds of experiments on the received crystal units since August 2005 when I met Marcus Reid the first time.

During the last months I have tested, with the help of others (I would like to thank them for their support), multiple crystal units—developed and manufactured by Marcus Reid—at the Institute of Research for Vacuum Energy, with the objective being to find out which energy these battery-like devices could be powered by. The tests have been fully documented on a German website, Das Geheimnis des Kristallaggregates (see website <http://www.wegalink.de/energy/>) and included in particular:

- investigations with a gamma spectrometer
- thermo-energetic exchange
- magnetic response
- load tests
- high-frequency noise
- possible relationship to solar bursts.

In no case was there any hint that the crystal unit would receive input energy from any known energy source like energetic particles, magnetic energy or heat energy.

All investigations on electromagnetic waves and temperature were done with extreme effort and as thoroughly as possible.

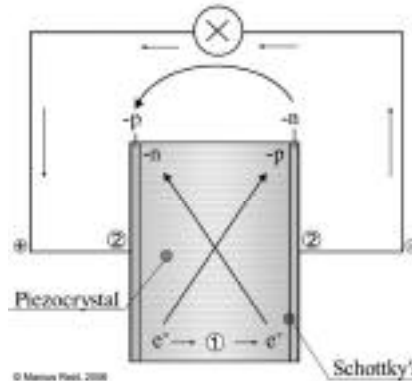
During the last months, the source of energy which powers the crystal units was at the centre of investigation. Up to now, it has not been possible to find a known input energy form.

It is now the objective to develop and confirm more and more powerful devices. Therefore the investigations will focus on all kinds of relationships that will provide us with some better insight into the technology.

(Source: Edited from Eckhard Kantz's website, <http://www.wegalink.net/energy/>)

Basic Design of the Crystal Unit

This model is a first attempt to describe the feasible schematic design of the Reid unit. This model appealed to us, in view of the available know-how in the fields of semiconductor physics, piezoelectrics and the "new field of vacuum energy physics".



1. The piezoelectric crystal transports the electrons in the inner side of the crystal unit through the blocking layer (blocking state region) from + towards -.
2. The p- semiconductor absorbs (draws) the electrons over the external circuit from n-.

The p- characteristic is the maximum towards the left on the anode and decreases towards the right (conductivity of the semiconductor within the material being due to electron holes).

The n- characteristic increases towards the right (conductivity of the semiconductor in the material being due to the surplus of electrons and the longitudinal polarised piezoelectric crystal).

The capacity to transport electrons within the crystal unit, caused by the polarised and longitudinally oriented piezoelectric crystal, must be "stronger" than the n-, p- related conductivity of the semiconductor caused by the "holes".

Therefore, an effect similar to tunnel diodes might be possible, which should be in a position to break the blocking layer caused by the semiconductor. In the above diagram, 1 and 2 form two different semiconductors which are united with one another and are "opposite in direction", so to speak.

The anode and cathode material is selected in such a manner that, because of the electro-negative difference, it has an intensifying effect on the p-, n- semiconductor situation/location in the external circuit.

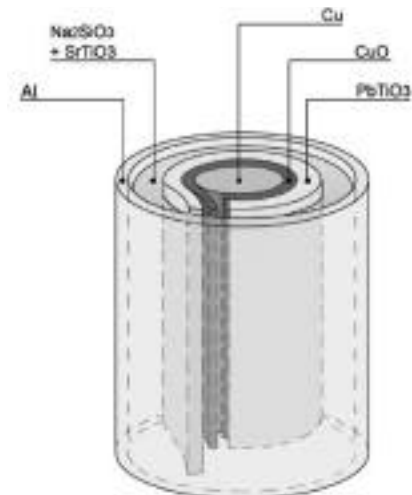
Consequently, the voltage would also be generated by an electrochemical process. However, not so the current. To what extent a Schottky diode effect can have a

supporting effect on the n- metal transition remains to be seen.

The current flow may be caused by two different phenomena:

- first, through known thermal processes in semiconductors and piezoelectric crystals; consequently, the crystal units must become colder when under load, and environmental heat is then the source of energy;

- second, possibly through vacuum fluctuations due to the Casimir effect, which excites the compressed piezoelectric crystal to vibrate. The piezoelectric crystal should be able to produce current through the permanent mechanical deformation. Refer to the Feynman ratchet principle. The source of energy in this case is the inexhaustible active vacuum.



Schematic view of a crystal unit. It is an aluminium cylinder where sodium meta silicate (Na_2SiO_3) is melted in and brought to crystallisation.

The "insider" will quickly notice that our model has a number of different possibilities. Therefore, we are not in favour of further speculations. We believe that the overall concept may represent a new phenomenon, and only additional experiments and extensive series of measurements/tests will show what we are dealing with here.

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(Source: Institute of Research for Vacuum Energy, <http://www.vakuuenergie.de/crystalunit.html>)

A UFO CONVERSATION WITH SENATOR BARRY GOLDWATER

A chance encounter with US Senator Barry Goldwater during the Apollo 11 launch countdown was an opportunity for this aerospace engineer at Kennedy Space Center to share little-known information about UFO sightings of particular interest to the US military.

by Clark C. McClelland

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The date of 16 July 1969 was the day of the launch of *Apollo 11* and the initial kick-off for the first landing of the human race on our neighbour, the Moon. The global importance of this major historic event was very evident at the Kennedy Space Center (KSC), Florida. It was Moon Shot Day!

Many famous people from all over the world gathered in the VIP launch viewing area near the *Apollo LCC* (Launch Control Center). The security was at its highest level. One guest was in attendance whom I had supported during his political career: Senator Barry M. Goldwater of Arizona. He had been the Republican presidential candidate in 1964, running against President Lyndon B. Johnson. He had lost by a wide margin, but we in Florida had delivered him a victory in Brevard County, Florida, and the Spaceport area and take pride in ourselves regarding that minor accomplishment. In 1968, Goldwater won back his senatorial seat in Arizona.

Being a registered Democrat supporting a Republican candidate in Florida did not gain me any favour through my lifelong political party in Florida. I constantly lived with insults and jokes which supplemented my involvement in UFO research. McClelland has always been a maverick!

Senator Barry M. Goldwater had been a Major General in the United States Army Air Corps; he'd wanted to be a fighter pilot of the P-47 *Thunderbolt* and/or the P-51 *Mustang*, but was assigned to deliver various other aircraft to combat areas. He had flown an estimated 160-plus planes during his World War II and civilian years. I was also informed that he had been checked out in an SR-71 *Blackbird*. That was very impressive to learn.

During the long countdown of the Saturn V *Apollo 11* launch vehicle, I took a breakfast break from the LCC and walked to the nearby VIP guest viewing site in hopes of meeting Senator Goldwater. As I scanned the numerous people gathered, I asked one of our security guards if he was aware of the location of Goldwater.

He pointed his finger to an open field nearby, saying, "Do you see that guy over there setting up his camera tripod, Mac? That's Senator Goldwater."

I had my camera around my neck in hopes of having a photo opportunity with the Senator. I strolled across the crab-grass turf as he was setting up his personal camera. I was surprised he was alone except for a half-dozen other guests who were nearby, also setting up their cameras. I introduced myself and he responded with a polite greeting. He asked if I was a guest in the VIP area.

I chuckled a bit and said, "No sir, I am not yet a VIP."

He smiled and said, "Yes, I know how you feel. I had the same experience in the past."

We talked about his earlier effort to gain the presidency and I told him about my personal efforts in Brevard County. He thanked me, saying at least he had won here in the Cape area.

I seriously pondered my next question concerning UFOs and finally asked him if he would discuss the subject with me. I was surprised he had no Secret Service agents or NASA Public Affairs personnel hovering around him. I explained my position at KSC and my being the NICAP Unit-3 Director for Major Donald E. Keyhoe at KSC. He had met Keyhoe in DC years before. He approved our discussion on the UFO subject and we began our exchange of information.

I began by saying it was obvious he had a deep, abiding interest in UFOs and possible visits of alien races to Earth.

He said, "That is accepted fact in Washington and especially at the Pentagon, young man."

Senator Barry Goldwater on UFO Secrecy

I had some understanding of his alleged statements regarding UFOs in the past and brought up the popular story of his effort to gain entry into a special storage area at Wright-Patterson Air Force Base that purportedly had alien artifacts in it.

He said, "Yes, that's the main event concerning me and UFOs. I was under the impression that a US Senator with a past as a Major General in the US Army Air Corps and a member of the US Senate Select Committee on Intelligence for many years would carry some weight in my allowances to enter such an area of military secrecy. I was rudely awakened to reality very swiftly when I was denied passage. It had me angry enough to discuss it with a personal friend of mine in the military and inquire why my position in the US Senate had no such allowance.

"My friend, General Curtis LeMay, Chairman of the Military Joint Chiefs of Staff at the Pentagon, *very* angrily told me that I had no need to know. He gave me a lot of *hell* about my activities at Wright-Patterson. He threatened to end our friendship for life! My God, Mac, that surprised the hell out of me. LeMay added, 'You stay clear of our mutual friend, 'Butch', too [meaning General William "Butch" Blanchard]; his having been at Roswell [later Walker] Army Air Base and the 509th will not gain you any favour for knowledge of that Roswell crash claim."

Goldwater added, "Mac, Butch Blanchard was also a very valued friend of mine since World War II. He was the person who announced that a disc had crashed near Roswell in 1947. This cussing out did awaken me to one fact: that the UFO situation is the highest level of national secrecy. Much higher than the H-bomb was, and more than anything else that is known within the Pentagon, FBI, CIA, DIA, NSA, etc. That is, nothing is higher security than aliens being here on this planet. Then I realised Curtis was correct. And I never again approached him on the subject. That seemed to prove to me that UFOs were a fact, and do exist. But, are they all aliens? I highly suspect a majority are! Hell, they are no doubt far ahead of our level of intelligence. The United States Air Force knows the truth, but will they ever reveal it to this nation?"

I quickly said, "Yes, Senator, some UFOs sighted, I have learned through the ONI [Office of Naval Intelligence], are alien."

His eyes brightened up and showed surprise. "Mac, how would you know that as a fact and I was denied the truth?"

I said, "Senator, I was here, at KSC, and had also been at Cape Canaveral since the start of our national space program. With all due respect for your great accomplishments, sir, you were not. I've heard and seen things that, without any doubt, proved to me that UFOs and star races exist."

I said, "Congress is not made aware of secrets of this calibre.

The Pentagon controls such disclosures."

He stared at me and then said, "Yes, I get your point. You were and are on the cutting edge of technology, Mac. Hell, you have seen events I can only dream about."

I replied, "Yes, sir; more than you know!"

German Scientists and Reverse-Engineering in the US

I then tested the Senator with another question. I asked him if he was at that time aware of the fact that several former German scientists were assigned to Wright Field following World War II.

He said, "No, Mac, I was not."

Then, one of the nearby launch-viewers came close to our location and I stopped the discussion. The man wanted to say hello and shake the hand of Senator Goldwater.

Following his departure, I continued. "Those Germans were at Wright since post-World War II and were assigned to reverse-engineer certain retrieved hardware that was suspected to be of alien origin. They accomplished that assignment with the object that crashed in Kecksburg, Pennsylvania. It was taken to Wright Field."

Senator Goldwater said, "Yes, I recall that incident. What was it? Do you know?"

I replied, "Yes, sir; it was a Soviet failed mission to Venus in 1965. It was not alien, Senator. The public was led to believe it was a UFO. Far easier to explain than a missile from the USSR hitting within the USA."

Goldwater agreed. He asked if I was aware of who the Germans were.

I replied, "Yes. One is Siegfried Knemeyer, the former head of the German RLM [the Reichsluftfahrtministerium], the Third Reich's Air Ministry for aircraft development for the Luftwaffe. Another is Dr Hans Amtmann, an expert in vertical take-off aircraft. One other I am familiar with is Dr Alexander Lippisch, who is more well known and a pioneer in tailless

aircraft, the US delta-wing fighter—the F-102A *Delta Dagger*—and an advanced design of a ground-effect flying boat. I'm almost certain these men also did a reverse-engineering on the object that crashed near Roswell, New Mexico."

I could see that what I was telling the Senator may have had his mind in a spin. So, I slowed down.

He said, "Mac, what are you doing here? We need people like you in DC."

I said that my place was right here at KSC. I noted the countdown clock was at two hours and 27 minutes prior to the launch of *Apollo 11*, and asked him if he would like a soft drink.

He said, "Yeah, maybe a shot and a beer, after hearing all you have said, Mac." He laughed.

I smiled and went for two Pepsi-Colas. When I returned, he continued the conversation.

"Mac, you work in one of the most secretive and important areas of our national security on the cutting edge of space science and are no doubt aware of much that has happened and is happening during our missions into space."

"This cussing out did awaken me to one fact: that the UFO situation is the highest level of national secrecy. Much higher than the H-bomb was, and more than anything else that is known within the Pentagon, FBI, CIA, DIA, NSA, etc."

I confirmed his statement, saying I was also part of an ONI unit at Patrick Air Force Base, south of the Cape.

He was surprised to hear that fact. He said, "So, you are Naval Intelligence, young man?"

I said, "Well, yes sir, but only one member."

He continued, making certain none of the people nearby was within listening distance. "Now, may I ask you what you have heard or seen here?"

I joked with him, asking, "Do you have a need to know, sir?" We both laughed.

Goldwater smiled while he adjusted his camera tripod. Soon, a man and a woman wandered by, saying hello, and we both similarly replied. I asked the man if he would take a photo of Goldwater and me together. I asked approval of the Senator and he gave his okay. Following the photo being taken, I thanked both the people; they shook the hand of the Senator and went on their way. I was disappointed to note after it was developed that the photo had been taken too distant to show both our faces in more detail, but it does show enough to allow recognition. (See enhanced photo below.)

Senator Richard Russell's UFO Sightings over the USSR

I asked the Senator if he knew Senator Richard Russell of the State of Georgia.

He snapped back, saying, "Are you kidding, Mac? Of course I know Dick Russell."

Goldwater then softly asked me if I was aware of Senator Russell's UFO sighting in the Soviet Union.

I smiled and said, "Yes, sir. I learned of it through my ONI unit."

He said with a smile, "Now, do you have the proper clearances, Mac?"

I told him my clearance level.

He said, again with a smile, "That is more than acceptable."

He continued. "I had heard a rumour about Russell having his UFO experience, and thought I would approach him about it. I was careful not to have him cuss me out like LeMay. I'll tell you what he and I discussed. About six or seven years ago in 1962, before my election loss to Johnson in 1964, Dick and I got together after a Senate meeting and sat alone in his office. Dick said that around sundown on 4 October 1955, he saw two

separate saucer-shaped craft while travelling on a train through the Soviet Union on his way to Czechoslovakia. He made a small sketch of the object for us to study on his desk pad. He showed a sparkle flashing under its base and indicated it had two lights on its top portion that remained stationary, while the outer section of each disc appeared to revolve or spin. He said it had a slight yellowish colour and may have been 25 to 35 feet in diameter. After talking about the object for about five minutes,

Russell tore the desk pad drawing off his sketch pad and placed it in his jacket pocket for later burning. He told me that it was classified Top Secret by the FBI and military. He did not want the sketch to end up in the wrong hands."

Goldwater told me that Russell then detailed how he'd watched from his train window as one saucer-shaped craft rose slowly from the ground about two miles away and flew over his train at not too high a rate of speed. It was estimated to be between 5,000 to 6,000 feet in altitude.

Goldwater emphasised, "Mac, Dick was so excited about this actual viewing of a UFO that he tried to summon his Russian language interpreter Ruben Efron, who arrived too late and had only a brief sighting of the [first] object. His aide was Colonel Hathaway."

(Later, I learned he was US Army Colonel E.U. Hathaway, the military aide-de-camp for the US Senate Armed Services Committee.)

"Dick said that around sundown on 4 October 1955, he saw two separate saucer-shaped craft while travelling on a train through the Soviet Union on his way to Czechoslovakia."



Clark C. McClelland and Senator Barry Goldwater (right), photographed at the Kennedy Space Center during the *Apollo 11* countdown on 16 July 1969.

Goldwater said that Senator Russell, Colonel Hathaway and Ruben Efron all witnessed the second disc in detail. Russell said the CIA and FBI and perhaps the NSA were apparently briefed in DC concerning this very important event and had a US Air Force officer interview Russell, Efron and Colonel Hathaway in Europe. Goldwater could not recall the US Air Force officer's name. However, later I gained that data and discovered it was Lt Colonel Thomas Ryan who prepared a detailed report on the sighting for the Pentagon. The report was highly classified and was not made public until the excellent work of Dr Bruce Maccabee, Chairman of the Fund for UFO Research, in obtaining the documents through the Freedom of Information Act. It was not declassified for public viewing until 1985—30 years after the incident!

Goldwater said, "Mac, it makes one wonder why objects that do not exist, according to the USAF, require such top secrecy by the US Government."

I agreed.

(Note: In February 2006, the Bush administration reclassified at least 55,000 formerly secret and confidential documents. Once again, they were not to be released to the public through the Freedom of Information Act. What caused the highly secretive Bush administration to reverse that decision? What is Bush, Cheney, Rumsfeld, Rice, etc., now keeping from the general knowledge of the taxpaying public? It makes one seriously think!)

I continued our exchange, saying, "Senator, when I first arrived at Cape Canaveral in 1958, the initial mystery event I became aware of was what RCA engineers called 'Lonesome George'! I later was informed by those personnel that they had accidentally discovered an orbiting, what could be called, alien space probe out at the distance of the Moon. Senator, remember that the USA and USSR had not orbited any man-made object at the time they initially discovered the object. What was its purpose, negative or positive, concerning the safety of the human race? It apparently was not showing any harmful intent towards the Earth."

Goldwater did show amazement at my disclosure and admitted having no knowledge of the object.

UFO Sightings by NASA Astronauts

I then related that I was also aware of several UFO sightings by astronaut crews from the *Mercury*, *Gemini* and other missions. That statement seemed to light up the Senator's eyes.

He asked, "What did they observe?"

I continued. "During our *Mercury* program, I heard the voice of astronaut Gordon Cooper, during his *Mercury 9* mission, report a 'green-coloured object' that appeared to be passing his capsule in the opposite orbital direction over the Pacific Ocean in 1963. Many years later, I spoke with 'Gordo' during a phone conversation and asked him if he would elaborate. He denied it was a fact and said he did not see an object during *Mercury 9*. But, I had heard him say he was tracking such an object. He quickly added, 'We are on a phone, Slim.' [My nickname "Slim" was used by several of the earlier astronauts.] He caught me by surprise."

The Senator asked me why.

I said, "I suspected that Gordo was giving me a message. He apparently had suspicion his phone was not secure. Maybe I was incorrectly making that judgement, but that was my analysis of his statement. Senator, now to elaborate on the *Mercury 9* mission. I was at the *Mercury* Mission Control facility here at Cape Canaveral on the day of the return to Earth by Cooper. I had initially tried to visit USAF Colonel John A. 'Shorty' Powers at Hangar 'S', and after discovering that the Colonel was at Mission Control south of the hangar area I drove there to see him. He had my special *Mercury 9* lapel pin, a memento of this historic mission.

"Having security clearance, I entered the Mission Control area. I immediately heard communications between *Mercury 9* and the Cap Com [Capsule Communication] officer, astronaut Wally Schirra, who was tracking Cooper in the *Faith 7* across the Pacific Ocean on its final pass prior to splashdown in that same area on its next pass. It was the final orbit of *Faith 7* before re-entry back to Earth. The commentary was on an open PA system

at Mission Control. Following the disclosure of Cooper that he was observing a 'green-coloured object'—and other comments made about it by astronaut Scott Carpenter who was in the Kauai, Hawaii, tracking station—Cooper was on his third orbit and had released a highly luminous, six-inch-diameter xenon strobe light sphere to test his tracking capabilities of the object while in orbit. He finally was able to see it on his fourth orbit. Senator, I wonder if the object he saw was connected to that xenon strobe light? But it was not green and not in the

"...it makes one wonder why objects that do not exist, according to the USAF, require such top secrecy by the US Government."

proper orbital path.

"Senator, I believe he actually did see a UFO. Sir, Cooper disclosed to me that he had chased UFOs during his USAF duties in 1951 while in Germany. He said they out-manoeuvred his flight of F-86 *Sabre* jets and were flying at a greater speed than our airplanes."

Goldwater said, "Yes, Mac, I'm aware of that fact."

I continued. "Are you aware that astronaut Gordon Cooper was later bumped from the *Apollo 14* lunar landing mission by NASA?"

Goldwater said, "Mac, I also recall that fact."

"Yes, sir; he was," I replied.

"Why? Were there hidden reasons?" Goldwater asked.

"Sir, Gordo enjoyed racing; he loved controlling a fast vehicle, like most of those earlier astronauts. He was considering entering a big car race in Daytona Beach against the objections of NASA. He was warned by NASA to stay clear of any race in Daytona. They had spent a lot of money training him and were not going to have a car accident impact their critical lunar launch schedule. Gordo was angered by that refusal. NASA realised he was still planning on entering a race, so they finally assigned that *Apollo 14* mission to Alan Shepard.

"Following that incident, it was all downhill for Gordon Cooper and his NASA astronaut career. Gordo was bitter about that up to the day of his death. Senator, you may recall that Gordon Cooper became involved with the United Nations' efforts to have the subject of UFOs brought before the UN and to have it finally disclosed that unknown craft are being encountered all over the Earth. I believe Cooper knew secrets about UFOs he

kept from disclosing to the public at that time. I personally believe he was threatened with the loss of his retirement if he would not remain quiet. His interest in UFOs also may have impacted his NASA career."

ONI Interest in UFOs

Senator Goldwater then asked about sightings during other space missions. I mentioned several during *Gemini* and *Apollo* and then I asked him if he had heard anything about a 1956 US Navy aircraft and the huge UFO that many crew members and others observed over the Atlantic Ocean. He said he had not.

I said, "I am not surprised, Senator. It apparently was also kept secret by the Pentagon, as was that incident with Senator Russell. My initial muster [the US Navy term for a meeting] with the US Navy ONI Unit 6-69 at Patrick Air Force Base, Florida, was in early 1959. I was introduced to several highly ranked officers—Admirals, Captains, etc.—who immediately swore me to secrecy, Bible and all, concerning what I was presently about to view and other data I would experience in the future concerning confidential and secret information. I agreed, and volunteered to operate the group's movie and slide projector.

"My being an investigator of UFOs and a member of NICAP for many years was apparently well known by this group of US Navy officers. I had presented talks on the subject of 'Space Flight and UFOs' at the Philadelphia Naval Base a few years prior, and was presently seeking information on additional UFO encounters within the space program. I realised that would be my value to this ONI unit, along with my friendship with many NASA astronauts. Captain Rudy Bergholz, a technical manager at NASA KSC, opened a large film canister and handed it to me. The film can was marked 'Confidential', with other taped notes of instructions and warnings.

"I began rolling the film and I found it to be an amazing disclosure of a UFO incident that occurred in 1956.

The officers were excitedly talking among themselves, as it described the sighting of a huge, disc-shaped UFO—400 feet in diameter—by a US Navy flight crew in a Navy R7V-2 transport, which was a four-engine *Super Constellation* travelling west over the Atlantic Ocean towards Gander, Newfoundland, an apparent refuelling stop for its eventual landing at the Naval Air Station at Patuxent, Maryland. [Note: This was the base where several astronaut crews would eventually be trained for secret DoD missions, STS-48, UFOs, etc. during the future Space Shuttle, or Space Transportation System, program.] I immediately noted a familiar name, Admiral Delmar S. Fahrney, being mentioned in the film."

Goldwater injected a comment. "Yes, I have met Admiral Fahrney, Mac."

I said, "Yes, sir." I continued. "Another comment was made in the film, recognising NICAP and Major Donald E. Keyhoe, a former US Marine fighter pilot."

I asked the Senator if he knew Keyhoe.

He said, "Yes, I have met him. A very impressive man."

I commented that I wondered why I had not heard about this case prior to this ONI meeting, perhaps from NICAP in Washington, DC.

I continued my story. "Captain Bergholz said I had not yet been approved to have a 'need to know' by the US Navy. Apparently, now I had that need, but why? During the meeting, Captain Bergholz finally sprung the reason: I was to investigate and verify, through those German scientists at Cape Canaveral, who those *Paperclip* scientists were that had come to the USA with Dr Wernher von Braun in 1946 and who had been assigned to the AMC [Air Materiel Command] Foreign Technology Division at Wright Field, Ohio. Bergholz, being my commanding officer, delegated the job to me because of my association with many German scientists at Cape Canaveral. I later informed Bergholz that I had discovered at least three *Paperclip* scientists who were assigned to Wright Field following their arrival with Dr Wernher von Braun: one named Siegfried Knemeyer, former Third Reich Luftwaffe pilot and RLM Director..."

Senator Goldwater interrupted me and asked, "Mac, what's RLM?"

I told him it was the German Air Ministry that created the various planes, like the Messerschmitt and Junkers, and may have influenced the V1 and V2 rockets at Peenemünde.

I continued. "Two other *Paperclip* scientists at Wright Field were Dr Hans Amtmann and Dr Alexander Lippisch. I believe all three are still at Wright-Patterson Air Force Base, Senator. Perhaps you can try and contact them there."

The Senator quickly replied, "No, not after that experience with General LeMay, Mac!"

I said, "Senator, you are aware of the military rivalry to gain the upper hand over other areas of the United States military that has been an ongoing practice throughout our national history?"

He replied, "Yes, I am, having been associated with the military budgets in the Senate."

I continued, saying, "There was and still is a great rivalry between the US military services, and since the USAF and the US Army ABMA [Army Ballistic Missile Agency] were playing the same game between them at Wright Field, the AMC Foreign Technology Division of the USAF had captured alien technology and the US Navy wanted it shared with the ONI. Another habitual US military squabble. Can you imagine the Soviet Union having such squabbles? Not on your life. Admirals and Generals would have been marched to a wall and executed. In fact, Stalin did just that to several of his military officers."

Goldwater agreed.

I continued to explain the film. "As we all watched the ONI film, it described the sighting of a huge, 400-foot or larger, saucer-shaped object that was encountered by a US Navy R7V-2 four-engine *Super Constellation* aircraft over the Atlantic Ocean. As many as 40 military personnel and air crew observed it as it

As we all watched the ONI film, it described the sighting of a huge, 400-foot or larger, saucer-shaped object that was encountered by a US Navy R7V-2 four-engine *Super Constellation* aircraft over the Atlantic Ocean.

approached the aircraft and appeared to be observing the Navy plane. It was at an altitude of about 19,000 to 20,000 feet and at first the object was mistaken for being a gathering of many ships below the plane due to its size, when initially and earlier viewed far below the aircraft by the navigator and commander of the plane."

I said, "Senator Goldwater, I cannot recall the names of the flight crew."

He said, "Just continue with the incident, Mac. It's very interesting and I was not aware it had happened."

I continued. "They all witnessed it and described it as having a large, illuminated, outer ring. Since it and what some said may have been other craft below were possibly seen. As the large object approached the plane at about 1,000 yards, those aboard were mystified and frightened. The crew later said it was a huge, saucer-shaped, metallic machine."

Goldwater asked, "Mac, did they show photographs of it in the ONI film?"

I told him, "I was not aware that a film was exposed during the actual incident, so, no, I did not see any depiction of the UFO. If any UFO film was taken at all, it was apparently under Top Secret classification and not shown in the ONI film. Some comments made by the crew in the film were that they all considered the huge object was 'intelligently controlled'. They also said that no living creature, etc., was seen. They added that the craft's speed from when it climbed from near sea level to their aircraft altitude was estimated to be about 1,400 to 2,000+ knots in a brief time-lapse of seven to eight seconds."

The Senator said, "That's astounding, Mac! What else was said?"

I continued. "The Navy aircraft commander radioed ahead to the Gander Air Force Base control tower and asked if their radar was identifying any other object near his R7V-2. The tower control officer said, 'Yes, a larger object and in close proximity of the Navy plane.' Sir, they verified that the gigantic craft was on their radar!"

He replied, "Mac, I was not aware of that case! I will try to pursue it when I return to Washington."

I replied, "Contact Don Keyhoe or Richard Hall, his deputy."

I continued with the sighting. "The US Navy flight commander was asked by the USAF interrogator at Gander during their individual and group debriefing if they saw any indication of life. His reply was, 'No, but it was intelligently controlled, and my crew and I are all witnesses to that fact!' That object was not remotely controlled; something inside of it was in control! The interrogator would not discuss what the Gander radar had recorded and refused to allow the Navy to review it. The Navy commander asked the Air Force officer, 'What's the USAF up to now? You people say UFOs do not exist. What the hell did we see if they don't exist?' The USAF officer said, 'Sorry, we cannot answer any of your questions!'"

I told the Senator that I suspected it was Dr J. Alan Hynek who became involved about four or so days later, after the US Navy aircraft arrived at Patuxent, Maryland, when the crew was once again placed under an intense ONI interrogation with a detailed

report required from each crew member and from those who were passengers returning home.

Senator Goldwater then said, "What was the scientist's response, Mac? I am very interested to know. I may contact Hynek and try to investigate if he was the scientist involved."

I replied, "Good idea, sir. Now, to continue. The unidentified scientist asked the Navy commander if he had any photographs of the huge UFO. The commander said, 'Yes, but they have all been confiscated and classified.' The scientist met with the commander and unlocked a briefcase and withdrew several photos of strange objects (UFOs). He asked the commander if any were similar. While reviewing the photos, the commander stopped and said, 'This is the exact saucer-shaped object my crew and I saw.' He then said, 'If you and the government have photos such as these, there are people within the Federal Government who know.' The scientist said he was sorry, but he could not disclose anything. He closed his briefcase and left the room. Senator, the facts concerning UFOs and if they are from an alien star race are known in DC!"

Senator Goldwater then said, "Mac, I am absolutely going to look into this when I return to Washington tomorrow."

From Roswell to the Moon

I then asked the Senator if he would answer a few questions I had for him. He agreed.

I asked him, "Are you aware of any facts that are unknown to the public regarding the alleged Roswell crash in 1947?"

He said, "Mac, I have investigated that incident through every possible agency that may have had some responsibility: the FBI—Hoover, who shut me off quickly—the NRO, DIA, NSA, etc., and have gained nothing other than hell from the Pentagon. You may know more about it than I. I'm as curious about those facts as you. The reaction I had from General LeMay and the on-site Roswell facts known by

General 'Butch' Blanchard, etc., have told me one thing: that it did happen and it is a major secret regarding UFOs and aliens of our time. Perhaps of all times."

I looked at my watch and the NASA countdown clock a short distance from where we were, and saw that the countdown was progressing without any launch holds. Excitement was rising with the VIP crowd. My break had run out.

Senator Goldwater and I both shook hands and I thanked him for his openness with me. As I walked away, I glanced back at him and realised I would probably not talk again with this great man in our nation's history. To me, Senator Barry Goldwater was a national treasure and great American patriot.

I returned to the LCC. At 9.32 am, the huge Saturn V rocket carrying *Apollo 11* lifted off and rumbled into space to realise an historic milestone. Mankind landed on and returned from the Moon—and will continue to explore the vast universe should our human existence continue.

"As the large object approached the plane at about 1,000 yards, those aboard were mystified and frightened. The crew later said it was a huge, saucer-shaped, metallic machine."

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THE QUEST FOR THE METAL LIBRARY

A system of tunnels and caves beneath Ecuador and Peru is reputed to hold an ancient treasure-house of artefacts including two libraries, one containing inscribed metal books and the other storing tablets of crystal.

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It's not what you know, but who you know. In 1973, Erich von Däniken, at the height of his fame following the success of *Chariots of the Gods?*, claimed that he had entered into a gigantic subterranean tunnel system in Ecuador, which he was told spanned the length of the continent—surely evidence that our ancestors were highly advanced, if not extraterrestrial? The structure was believed to house a library in which books were made out of metal—this in an area where today there is nothing but "primitive" Indian tribes with no written language. Evidence of a lost civilisation? It was a major claim, and it did not go unchallenged.

The story centred around Janos "Juan" Moricz, an aristocratic Argentinian-Hungarian entrepreneur who claimed that he had discovered a series of tunnels in Ecuador that contained a "Metal Library". In a signed affidavit dated 8 July 1969, he spoke about his meeting with the Ecuadorian president, where he received a concession that allowed him total control over this discovery—provided he could produce photographic evidence and an independent witness that corroborated the discovery of the underground network. Newspapers reported on the expedition that Moricz had organised.

In 1972, Moricz met with von Däniken and took him to a secret side-entrance through which they could enter into a large hall within the labyrinth. Apparently von Däniken never got to see the library itself, just the tunnel system. Von Däniken included the event in his book *The Gold of the Gods*:

"The passages all form perfect right angles. Sometimes they are narrow, sometimes wide. The walls are smooth and often seem to be polished. The ceilings are flat and at times look as if they were covered with a kind of glaze... My doubts about the existence of the underground tunnels vanished as if by magic and I felt tremendously happy. Moricz said that passages like those through which we were going extended for hundreds of miles under the soil of Ecuador and Peru."

However, one of the world's potentially biggest discoveries soon turned sour. Journalists from the German publications *Der Spiegel* and *Stern* interviewed Moricz, who now denied ever having been in the cave with von Däniken. It undermined von Däniken's credibility (though some would argue he had none to begin with), branding him a liar.

For many, the incident proved that von Däniken was a fabricator of lies—a much more damaging assertion than being known to make outlandish claims that the gods were ancient astronauts. No one pointed out that if von Däniken had been lying, he would not have left such an easy trail to Moricz. He could have claimed that he could not reveal his source, and *Der Spiegel* and *Stern* would have been none the wiser. Instead, it seemed that something was amiss with Moricz, who had landed von Däniken in an international controversy from which his career never really recovered.

There are several oddities with this story. First, Moricz merely denied having taken von Däniken there; the existence of the network itself he did *not* deny. In *Der Spiegel*, 19 March 1973, we can read:

Der Spiegel: "How did you discover the [metal] library?"

Moricz: "Somebody took me there."

Der Spiegel: "Who was this guide?"

Moricz: "I can't tell you."

Moricz further stated that the library was guarded by a tribe.

So, in short, Moricz claimed to von Däniken that he had discovered caves, and he showed these to him. Now he claimed to have seen the caves, led there by a guide whom he could not identify, but denied having taken von Däniken there.

The logical conclusion seemed to be that Moricz had shown something to von Däniken, was now caught by the fact that everyone seemed to know that he had done so, and had to make sure that whoever had shown him did not bear any grudges against Moricz, no doubt because Moricz himself would most likely have been asked not to show anyone else the site.

A small step for Armstrong, a major step for mankind

By 1975, the story had killed the career of one notorious author, so who would dare to tread in his footsteps? The answer: Neil Armstrong, the first man on the Moon—or rather, a Scotsman who wanted to change the precarious status quo in which the Metal Library controversy had found itself.

Stanley ("Stan") Hall had read von Däniken's book and subsequently befriended Moricz. The latter confirmed that he had met von Däniken in 1972 and had taken the Swiss author from Guayaquil to Cuenca, where they met Padre Carlos Crespi and saw his collection of enigmatic artefacts. There was insufficient time to take von Däniken to the "true location", so instead they decided to show him a small cave some 30 minutes from Cuenca, claiming it connected to the network. This seemed to clear up the von Däniken–Moricz controversy, but not the Metal Library itself.

Where was it? Moricz's 1969 expedition had ventured into the Cueva de los Tayos, which Moricz identified as the cave that led into the Metal Library. But in 1969, no Metal Library had been uncovered. So Hall decided to organise an Ecuadorian–British expedition that would explore the Cueva de los Tayos; it would be a purely scientific expedition.

I had met Stan Hall a few times over the course of a decade, without knowing that the person I was speaking to was Stan Hall. He was a member of the audience at the Scottish Saunière Society conferences. Stan blends into the background and is unlikely, if not unwilling, to stand out. It's by pure accident that I found out I knew Stan Hall—the Stan Hall, who furthermore lives nearby... It provided me with an opportunity to get a personal perspective on this story, and one I was willing to take with both hands.

Originally set up to take place in 1977, the 1976 expedition occurred at a time when von Däniken's public profile had been damaged by Moricz—and Hall was apparently about to endorse Moricz's claim. It left von Däniken feeling wary about Hall for more than 20 years, until both men realised they were kindred spirits rather than mortal enemies.

Why did he do it? Hall wanted to create a framework: if there was indeed a Metal Library of a lost civilisation, the first step would be to map the site. That was the main and only goal of the expedition; there was no treasure-seeking. Hall used his professional expertise to create a three-week exploration of this famous cave: a joint venture of the British and Ecuadorian armies, supported by a team of geologists, botanists and other specialists.

How did Neil Armstrong get involved?

"The expedition needed an honorary figurehead," Stan Hall

said. "The name of Prince Charles, who had recently received a degree in archaeology, was proposed, but I knew Neil Armstrong had Scottish connections. My mother was an Armstrong and via another Armstrong in Langholm, where Neil Armstrong had been made an honorary citizen, I made contact. Months later, I got a reply that Neil Armstrong was more than willing to join us on this mission. It's when the expedition suddenly became a life's challenge."

On 3 August 1976, when the expedition was winding down, Armstrong entered the tunnel system. Even though they were not looking for it, the team members did not stumble upon a Metal Library. Had they done so, the discovery would have altered mankind's perspective on our history and origins. For Armstrong, it could have been his second great contribution to mankind's exploration. However, the team did catalogue 400 new plant species as well as a burial chamber inside the cave, in which a seated body was found. The chamber was later dated to 1500 BC, and it was believed that at the time of the summer solstice the sun illuminated this tomb.

The story had gone from ancient astronauts to astronaut *par excellence*, but what would be the next step?

The third man

Everyone and everything had revolved around Juan Moricz, but in retrospect he was the wrong centre of the universe. From 1969 until 1991, the year he died, the Metal Library eluded him. So what next?

That Moricz was not the originator of the story was clear, as von Däniken himself noted on page 53 of his book. In the 1973 interview with *Der Spiegel*, Moricz confirmed that an unnamed person had shown him the cave. But who was this person?

After Moricz died, Hall decided to track down this "third man", who had disappeared into the shadows. Hall had a name—Petronio Jaramillo—but nothing more.

"Moricz died in February 1991," said Hall. "I had a name and a telephone directory. But there were an awful lot of Jaramillos in Quito. Finally, I found him—or, rather, his mother. It was September 1991 when she gave me the phone number of her son. I phoned him. He told me that it had taken 16 years before our paths crossed. He was willing to meet me, and stated that he needed three days to fill me in."

Jaramillo confirmed that when Moricz arrived in Guayaquil in 1964, he teamed up with lawyer Dr Gerardo Peña Matheus. Moricz told Matheus of his theory about how Hungarian people have been at the root of practically every civilisation. Through acquaintances, Andres Fernandez-Salvador Zaldumbide and Alfredo Moebius, Moricz met Jaramillo in Moebius's house, and from there Moricz ran with Jaramillo's story. Hall was annoyed with himself, for various people had tried to direct him towards Jaramillo as early as 1975, but it took until 1991 before the two met.

Jaramillo and Hall realised that had it not been for Moricz, who focused attention on the Cueva de los Tayos (which was not the actual location of the library), the 1976 expedition could have resulted in the discovery of the century—and what a track record

Jaramillo saw a library consisting of thousands of large, metal books stacked on shelves, each with an average weight of about 20 kilograms, each page impressed from one side with ideographs, geometric designs and written inscriptions.

for Armstrong it would have been! But it's a two-edge sword because, had it not been for Moricz, the story would never have come about like this. And today, Hall's biggest desire—if he were able to turn back time—is to sit down at one table with both Moricz and Jaramillo. At the same time, he realises that Moricz had been intent from the beginning that the Metal Library would be his legacy. When Hall showed Moricz a manuscript about the 1976 expedition, Moricz point-blank refused to return it. It ended their friendship, but Hall never understood why until 1991, when he realised that the manuscript mentioned Jaramillo. It was a name Moricz did not want to see published—as he had confirmed in the 1973 German newspaper interview. Moricz was incredibly stubborn and, equally, incredibly loyal, but obviously was the wrong man and was sadly mistaken if he thought he could ever pull off the discovery of the century.

Subterranean treasures

Jaramillo and Hall became friends, though both agreed Jaramillo would not prematurely reveal the location of the site. Still, he was willing to talk in detail about its contents and any other aspect Hall wanted to discuss.

From Jaramillo, Hall was able to learn the true story of the Tayos library—which was not in the Cueva de los Tayos at all! Jaramillo stated that he had entered the library in 1946, when he was 17 years old. He was shown it by an uncle, whose name has gone unrecorded but who was known as "Blanquito Pelado" (a loving description of the man's appearance). He was apparently on friendly terms with the local Shuar population, who invited him to see a secret in gratitude for the kindness and goodness he had shown towards the tribe.

Jaramillo entered the system at least once after that. On that occasion, he saw a library consisting of thousands of large, metal books stacked on shelves, each with an average weight of about 20 kilograms, each page impressed from one side with ideographs, geometric designs and written inscriptions. There was a second library, consisting of small, hard, smooth, translucent—what seemed to be crystal—tablets, grooved with parallel encrusted channels, stacked on sloping shelves of trestled units covered in gold leaf. There were zoomorphic and human statues (some on heavy column plinths), metal bars of different shapes, as well as sealed "doors"—possibly tombs—covered in mixtures of coloured, semi-precious stones. There was a large sarcophagus, sculpted from hard, translucent material, containing the gold-leafed skeleton of a large human being. In short, an incredible treasure, stored away as if hidden in preparation for some upcoming disaster.

On one occasion, Jaramillo took down seven books from the shelves to study them, but their weight prevented him from replacing them. It also meant that they were too heavy to remove from the library and reveal to the world. Jaramillo never

produced any physical evidence for his claims, which may explain why he wanted to live in the shadows of this story.

Hall did ask him why he never took photographs. "He said that it would not prove anything." Other discoveries, such as the infamous Burrows Cave in the United States, prove that seeing actually isn't believing. Still, Jaramillo stated that he had left his initials in these seven books so that, if the library were ever discovered, it could be proved that it was he who had entered it.

Expedition plans and setbacks

Jaramillo and Hall wanted to combine forces to see whether the Metal Library could be opened; one knew the location, the other had a proven track record in organising proper expeditions. It would be the "expedition of occupation".

First, contact with various ambassadors and politicians was

established; then the scientific community was brought in. The plan was for Jaramillo to lead the team to the site, where they would remain for a period of three to four months (during the dry season), cataloguing the contents of the site and guaranteeing that nothing went missing. Everything would remain *in situ*. A report with recommendations would be the only outcome of this expedition, which would involve UNESCO. But in 1995, Peruvian jets bombed an Ecuadorian military base and the project had its first setback.

In 1997, Hall used a major anthropology conference to promote the idea. Six anthropologists came to meet him, interested in what he was trying to accomplish. But that same year, Ecuador's political regime changed (in Hall's opinion, for the worse); Hall

felt that his family could not live in the new political reality, so he moved back to Scotland with them. (Shortly afterwards, our paths would cross anonymously). This was nevertheless not a setback; planning for the expedition continued.

However, it was in 1998 that the expedition had a *major* setback. Hall received by telephone the sad news from the mother of Petronio Jaramillo that he had been assassinated. Was he murdered because of the plans that were afoot? Life in South America is cheap, as anyone who has visited or lived there knows. That day, Jaramillo was carrying a large amount of money on him. It was a street robbery, close to his home. Random violence stopped one of the world's biggest discoveries dead in its tracks.

It seems that fate only allowed for Jaramillo and Hall to meet, but never to work together—as if their combined efforts would break the spell of the cave and turn a dream into a reality.

Location, location, location

Moricz and Jaramillo had both died. Hall was in his sixties. Would he go it alone and claim the Metal Library for himself? Hall isn't a treasure-seeker. He emphasises that the region is a—if not *the*—veritable El Dorado. There is gold everywhere; the



Juan Moricz and Stan Hall, photographed in 1975 during preparations for the 1976 expedition that would have astronaut Neil Armstrong as honorary president. (Photo © Stan Hall)



Aerial photograph of the area where the real cave is located. The marked area is the bend in the Pastaza River, which Hall visited in 2000 and which has all the required characteristics.

roads are quite literally paved with it. Even if the library books are made out of gold—though Jaramillo never spoke of gold but of "metal" (in fact, it seems copper was an ingredient, as Jaramillo had seen a green colour on the books)—there is more gold *outside* the library than inside. The presence of Moricz in the region was because he held extensive gold concessions; his interest in the library was not for its monetary value but for its historic importance.

Still, various treasure-hunters in the past had tried to open the cave. Count Pino Turolla made contact with Jaramillo in the 1960s through the same channels that later brought Moricz to him. Turolla was obsessed with Cayce's Hall of Records, and the Metal Library would be absolute proof of Cayce's prophecies. But Turolla's attitude and sense of organisation meant that the two never got along. Turolla pressed Jaramillo for details that the latter was unwilling to offer. So Turolla opted to search around the Cueva de los Tayos and came up empty-handed.

The most active Indiana Jones today is Stan Grist, who also knew Juan Moricz as well as his confidante, Zoltan Czellar, also a good friend of Hall. In 2005, Grist wrote: "As I write these words, I am in negotiations with the native Shuars who live near the Cueva de los Tayos, whose permission is necessary to enter and explore the area of the caves. I plan to mount an expedition in the coming months to search for the secret entrance to the cave from which the alleged metallic library can be accessed. Many people have entered the cave by the well-known, vertical entrance near the top of the mountain. However, I calculate that it is nearly impossible or is impossible to reach the metallic library through this well-known entrance. The secret entrance is only accessed from underwater!"

I confronted Hall with Grist's opinion. "Jaramillo always said that the entrance was under the river," he said. But that river is not near the Tayos Cave. That river is the Pastaza River.

Though Hall never learned the location from Petronio Jaramillo himself, after Jaramillo's death in May 1998 Hall organised a trip with Mario Petronio, Jaramillo's son, in which both combined their knowledge about the site. The trip had to be abandoned before "point zero" could be reached.

In May 2000, Hall returned.

"When we were preparing the expedition in the 1990s,

whenever diving equipment was discussed as a necessity Petronio would say that even though it [the entrance to the cave] was under the river, it did not mean we would get wet."

Hall showed me aerial maps, pointing out a bend in the river that meets a fault line, which is known to open up into a cave system that runs for several miles. His suggestion is that the fault line—evidence of an ancient earthquake—opened up the underground network, which someone at some stage in the distant past then discovered and used as a place to install the metallic library. Hall had visited this location and deduced that it fits Jaramillo's description perfectly.

The need for cooperation

So, what happened next? Hall was 64 years old when he last travelled to the region; now he is seventy. When he was 68, he decided that more than likely he would not see this story come to its conclusion. However, he does not consider it to be *his* story, and he does not want to make the same mistake that Moricz did.

So, on 17 January 2005, Hall informed the Ecuadorian government of the location of the cave that fits Jaramillo's description, and which he hopes will become the focus of an expedition.

For anyone who is interested, the location is at 77° 47' 34" west and 1° 56' 00" south. GoogleEarth brings you very close and can satisfy any initial curiosity. But knowing the location doesn't mean it will be easy finding it.

Hall thinks it will take decades or a paradigm shift before people can work together in a manner that will result in a successful "occupation". He argues that the 1976 expedition only succeeded because a military regime was in power; "a democratic bureaucracy will swamp the expedition before it crosses any swampy river".

What is required is a sense of cooperation and openness. Too many people have tried to use the library as evidence for their own theory, whether involving aliens, globe-conquering Hungarians or Edgar Cayce and his Hall of Records. Perhaps that is why the missions were doomed. Perhaps we should just let the library speak for itself. The answers to questions as to who built it, where they came from, what they accomplished, etc. may all be found inside the structure itself. After all, it is a library.

About the Author:

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BRITISH COMPUTER HACKER ACCESSED SECRET UFO FILES

To the United States, he is a seriously dangerous man who put the nation's security at risk by committing "the biggest military computer hack of all time".

But Briton Gary McKinnon says he is just an ordinary computer nerd who wanted to find out whether aliens and UFOs exist.

During his quest, McKinnon broke into computers at the Pentagon, NASA and the Johnson Space Center as well as systems used by the US Army, Navy and Air Force.

McKinnon is now battling extradition to the USA, where, if found guilty, he faces up to 70 years in prison and fines of up to \$1.75 million. His lawyer fears he could even be sent to Guantánamo Bay.

McKinnon was born in Glasgow, Scotland, in 1966. His parents separated when he was six and he moved to London with his mother and stepfather, who was a bit of a UFO buff.

"He comes from Falkirk, and just outside Falkirk there's a place called Bonnybridge, which is the UFO capital of the world. When he lived there, he had a dream that he was walking around Bonnybridge seeing huge ships. He told me this and it inflamed my curiosity. He was a great science-fiction reader. So, him being my second father, I started reading science fiction, too, and doing everything he did."

When he was 15, Gary joined the British UFO Research Association (BUFORA). When he was 17, he saw the film *War Games* and he wondered: "Can you really do it? Can you really gain unauthorised access to incredibly interesting places? Surely it can't be that easy."

So, in 1995, he began to hack. He was looking for, and found time and again, network administrators in high levels of the US government and military establishments who hadn't bothered to give themselves passwords. That's how he got in. He did a few trial runs, hacking into Oxford University's network, for example, and he found the whole business "incredibly exciting".

When asked if he is brilliant, he says "No". He's just an ordinary, self-taught techie. And, he says, he was never alone. "Once you're on the network, you can do a command called NetStat—Network Status—and it lists all the connections to that machine. There were hackers from Denmark, Italy, Germany, Turkey, Thailand."

Off-planet technology

So do aliens exist? Yes, according to McKinnon.

"I found a list of officers' names," he claims, "under the heading 'Non-Terrestrial Officers'. It doesn't mean little green men.

What I think it means is 'not Earth-based'. I found a list of 'fleet-to-fleet transfers' and a list of ship names. I looked them up. They weren't US Navy ships. What I saw made me believe they have some kind of spaceship, off-planet.

"There was a group called The Disclosure Project. They published a book which had 400 expert witnesses ranging from civilian air traffic controllers, through military radar operators, right up to the chaps who were responsible for whether or not to launch nuclear missiles. They are some very credible, relied-upon people, all saying 'Yes, there is UFO technology, there's anti-gravity, there's free energy and it's extraterrestrial in origin, and we've captured spacecraft and reverse-engineered it'."

He said one NASA scientist reported that the Johnson Space Center had a facility where UFOs were airbrushed out of high-resolution satellite images. So he broke in to see for himself.

"One of these people was a NASA photographic expert, and she said that in Building Eight of Johnson Space Center they regularly airbrushed-out images of UFOs from the high-resolution satellite imaging. What she said was there, *was* there: there were folders called 'filtered' and 'unfiltered', 'processed' and 'raw', something like that.

"I got one picture out of the folder, and bearing in mind this is a 56k dial-up, so a very slow Internet connection in dial-up days, using the remote control programme I turned the colour down to 4-bit colour and the screen resolution really, really low, and even then the picture was still juddering as it came onto the screen.

"But what came onto the screen was amazing. It was a culmination of all my efforts. It was a picture of something that definitely wasn't man-made.

"It was above the Earth's hemisphere. It kind of looked like a satellite, but it was manufactured by no means I have ever seen before: there were no rivets, no seams; it was like one flawless piece of material.

"It was cigar-shaped and had geodesic domes above, below, to the left, the right and both ends of it, and although it was a low-resolution picture it was very close up.

"This thing was hanging in space, the Earth's hemisphere visible below it, and no rivets, no seams, none of the stuff associated with normal man-made manufacturing."

The hacker's downfall

Gary McKinnon was hacking in the immediate aftermath of the events of September 11, 2001, but only because he wanted to see if there was a conspiracy.

"Why did the building fall like a controlled series of explosions?" he asks. "I hate conspiracy theories, so I thought I'd find out for myself."

McKinnon strenuously denies the Justice Department's charge that he caused the "US military district of Washington" to become "inoperable". Well, once, he admits, but only once: he inadvertently pressed the wrong button and may have deleted some government files.

McKinnon was caught in November 2002. He says it was inevitable because he was "getting a bit sloppy". "I'd never have envisaged this happening to myself, but I did get a bit megalomaniacal as well. It got a bit silly. I ended up talking to people I hacked into... I'd instant-message them, using WordPad, with a bit of a political diatribe. You know, I'd leave a message on their desktop that read, 'Secret government is blah blah blah'."

McKinnon was tracked down because

he'd used his email address to download a remote access administration program.

"God knows why I used my real email address," he says. "I suppose it means I'm not a secretive, sophisticated, checking-myself-every-step-of-the-way type of hacker."

But he hints that whatever happens, he has a lot more to tell. "I can't talk about a lot of stuff that I found. It's just not the right time," he says with a smile.

The Free Gary McKinnon campaign

The next phase of his legal battle began on 10 May 2006 at Bow Street Magistrates' Court.

"I found a list of officers' names, under the heading 'Non-Terrestrial Officers'... What I saw made me believe they have some kind of spaceship, off-planet."

The district judge ruled that McKinnon should be recommended for extradition to the United States to face trial for hacking into sensitive computer networks and systems.

The decision now rests with the British Home Secretary, John Reid, who has three months to decide whether to approve the extradition request.

McKinnon's solicitor is proposing to appeal to the US Secretary of State and, if refused, will then appeal to the High Court for a decision to allow Gary to be tried in the UK as a British citizen.

Friends and supporters of Gary McKinnon fear he will not get a fair trial if he does end up in the USA. A blog website, <http://FreeGary.org.uk>, has been set up to support the campaign for McKinnon to be tried in the UK.

(Sources: Compiled from articles by Jon Ronson in The Guardian, UK, 9 July 2005; by Michael Holden for Reuters, 27 April 2006; by Spencer Kelly for BBC News, 5 May 2006; and by Mark Ward for BBC News, 10 May 2006)

FORMER US MILITARY INTELLIGENCE ANALYST SPEAKS OUT ON UFOs

Brian Vike, Director of HBCC UFO Research in Canada, advises he was granted permission to post the following letter in its entirety and leave in any names. Following is a slightly edited version of this letter. Ed.

I spent 12 years in the US Army—from 1973 to 1976 as an MP (military policeman) working undercover for the DST (Drug Suppression Team), CID (Criminal Investigation Division), in Germany. Basically I travelled throughout Germany, wearing civilian clothes and pretending I was a former soldier who now resided in Germany dealing narcotics. My code-names were "Porkchops" and "Frisco", depending on what part of Germany I was at.

I went after what was known as the "Khaki Mafia" that originated in Vietnam. The perpetrators recognised me because I was known to wear a black trench coat, sunglasses and dark clothes, and at the time I was sporting a beard and moustache. But before this excitement took place, I was in Ft Jackson, South Carolina, in 1974 on a training exercise.

One night, two other soldiers and I were in Columbia, South Carolina, checking out the sights, and we looked up at the sky and saw six glowing blue discs in formation. As we watched, the UFOs dispersed in erratically zig-zagging movements and disappeared quickly.

The first thing that came out of one soldier's mouth was, "Geese?" We looked at him and said, "No way!" That was my first time experiencing a UFO encounter, and it stayed with me for a long, long time.

In September 1976, I had another UFO encounter. This time I was out of the army and living with my former girlfriend, Helen Lang, in an apartment. One night she came running back inside the apartment, screaming. I asked her what was wrong. She said that a UFO was hovering 200 feet above her head. I didn't see anything.

I noticed she was hysterically crying. I drove her to the Sacramento Sheriff's Department and they had her use their phone to dial an 800 number to call Dr Allen Hynek of the Chicago, Illinois, Bureau of UFO Investigations.

THE TWILIGHT ZONE

Dr Hynek sent some forms to fill out, so she could describe what she had seen. Dr Hynek later called me and asked what I had been doing. I told him I'd been watching Dick Van Dyke's *The Comic* on TV. He asked what happened when Helen was screaming outside. I said the TV went on the blink; it displayed static and I was trying to fix it when I heard her screaming. He told me that when UFOs hover nearby, they cause disturbances in car engines, TVs and radios; this was a normal occurrence.

Later I learned that two other people in Sacramento saw the same UFO in two different locations, and it was reported in the *Sacramento Bee*.

From 1979 to 1986, I was back in the US Army. This time I had joined military intelligence and I was stationed at PIC-K (Photo Interpretation Center – Korea). This time my code-name was "Hollywood" or "Joe Hollywood". I wore a black suit, now, and I was clean-cut. I kept the sunglasses, though.

My job as a 97 Bravo (intelligence analyst) was to work with image interpreters in identifying targets in North Korea and Red China, such as T-72 tanks, etc. I would create what is called a "sitmap", pinpointing targets discovered by image interpreters who studied reconnaissance aerial photographs. I would categorise certain photos.

We would go on what is called a "hot

run" from Yongsan Barracks, Seoul, to Osan Air Force Base. The vehicle would display a placard that indicated that the vehicle could not be stopped for any reason. There was a combination lock on the trunk of the vehicle and a combination lock in the suitcase inside the trunk; the driver and myself would have the combination to open the trunk and the suitcase. We would place the "hot rolls" (film) into the suitcase and head back to Seoul.

During my time as an intelligence analyst, I categorised six photos taken by reconnaissance satellites of what appeared to be UFOs. The UFOs moved of their own accord, as if they were guided by some kind of intelligence. Therefore the six photos were significant in terms of military intelligence. The photos moved up the intelligence chain from military intelligence to DIA (Defense Intelligence Agency) to CIA (Central Intelligence Agency). From there, I don't know where the photos went.

While at PIC-K, I worked with Air Force Intelligence, Naval Intelligence, DIA, CIA, Marine Recon, US Army (Green Beret) Special Forces, 101st Airborne, US Army Rangers, 82nd Airborne, Delta Force, Navy SEALs. It was necessary for us to work closely with certain elite military groups.

Another strange photo I once saw was given to me to categorise. It was a photo

of an American POW in Vietnam, taken in 1981. The photo went into a metallic box with a combination lock and disappeared up the intelligence channel.

The spooks (intelligence personnel) I worked with would never discuss UFOs. Most spooks belonged to some sort of secret society; most were Freemasons, and I was a Rosicrucian.

When I departed Korea, I signed up for the 82nd "Screaming Eagles" Airborne and Special Forces training, and they were ready to send me to Ft Gordon, Georgia, and Ft Bragg, North Carolina, and I was called to do a special assignment.

I received an "H" identifier and became an army instructor. I taught the "Soviet Threat for OPFOR (Opposing Forces)". I wore a Russian uniform, ski mask and black gloves, talked with a fake Russian accent and called myself "Corporal Dowbowski".

I would instruct on the Soviet Threat, teaching the WEFT (Wings, Engine, Fuselage and Tail) on Soviet aircraft, kill zones on Soviet aircraft and land-roaming vehicles, and the use of many Soviet weapons from the AK-47 to the SVD sniper rifle, in which I was proficient.

During my time with OPFOR, I learned from intelligence circles that the Russian KGB also knew and was aware of what exactly UFOs were and where they came from.

To this day, I don't know the answers to the UFO mystery, but hopefully one day our government will disclose what it knows to the public.

Brian, you have full permission to publish my report. Those were many years ago and Helen Lang's UFO claim was fully published in the *Sacramento Bee*. There is nothing new here that wasn't published back in '76.

I still work for the government...but, where I work now is what I wouldn't want to disclose. You can disclose my previous work with the government: I have no qualms about it and most people are aware of my previous background.

(Source: HBCC UFO Research, Box 1091, Houston, BC, Canada VOJ IZO, tel [250] 845 2189, email hbccufo@telus.net; letter posted on 29 April 2006 at <http://www.hbccufo.org/modules.php?name=News&file=article&sid=4278>)



"It's still a little strange living near a volcano, but I feel a lot better since they installed the smoke detector."



REVIEWS

BOOKS

Reviewed by Ruth Parnell

THE ELECTRIC MIRROR ON THE PHAROS LIGHTHOUSE and Other Ancient Lighting

edited by Larry Brian Radka

The Einhorn Press, Parkersburg, WV, 2006
ISBN 0-9657545-8-8 (166pp l/f tpb)
Availability: The Einhorn Press, email
LarryBrianRadka@hotmail.com

This is a fascinating investigation which confirms that the ancients knew about and utilised electricity, batteries, telescopes, mirror weapons and carbon arc lighting.

The most famous example in Larry Radka's book is the Pharos Lighthouse of Alexandria—one of the seven wonders of the ancient world—built by the Ptolemaic kings in honour of Alexander the Great, who saw the need for it when he surveyed the Egyptian coastline in 332 BC. The lighthouse, which soared at least 650 feet above sea level, was described in the historical record and reportedly underwent construction repairs following a number of earthquakes until its final demise in 1303. Apparently it employed a sophisticated carbon arc lighting system that made it a significant landmark for Mediterranean seafarers.

From his research, Radka discovered that the ancient Egyptians, Babylonians and Assyrians knew about electricity and lighting, but he thinks it's likely that the Pharos lighthouse and its powerful light were inspired by ancient Indian predecessors. Radka includes plenty of examples from the art and artefacts of these civilisations that suggest these technologies were well

utilised. One famous example covered here is the so-called Baghdad battery.

Interspersed with examples from the ancient world are ones from relatively modern times when lighthouses, carbon and mercury arc searchlights and electrical cells were considered exciting new innovations.

Radka's grasp of history, esoterica and technology together with his liberal use of maps, diagrams and photos makes *The Electric Mirror...* a captivating read.

THE SION REVELATION: Inside the Shadowy World of Europe's Secret Masters

by Lynn Picknett and Clive Prince

Time Warner Books, London, 2006
ISBN 0-316-72772-5 (530pp tpb)
Availability: <http://www.twbg.co.uk>

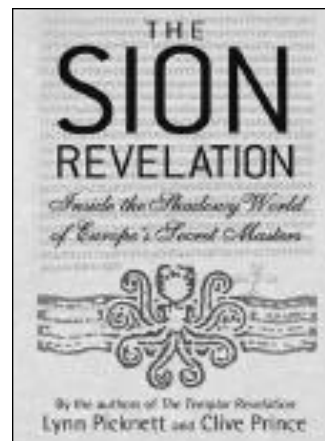
Allegations about the existence in France of a shadowy secret society called the Priory of Sion received prominence in the early 1980s with the publication of Leigh, Baigent and Lincoln's *The Holy Blood And The Holy Grail*. In more recent years it's been Dan Brown's fictional *The Da Vinci Code* that has again brought the Priory into the public gaze. But how much do we know about this group, and is it, as suspected, a hoax? Authors Lynn Picknett and Clive Prince again teamed up to do research for a new book, *The Sion Revelation*.

Indeed, the authors have been on the case since 1991 when they were approached by a self-declared member of the Priory while they were working on their book about the Shroud of Turin, which named Leonardo da Vinci as the creator (if not the subject) of the shroud's image. In a strange twist, they maintain that their subsequent book *The Templar Revelation* was one of the chief

inspirations for Dan Brown's novel.

The Priory had its modern birth in 1956, but depending on what story you subscribe to it may have originated in the 1110s during the Crusades or in 18th-century France. The authors suggest that if the Priory is a hoax, it is an elaborate one whose threads, once investigated, lead the researcher to conclude that there *is* some truth to support the allegations. These threads lead to occult knowledge on the one hand, and political machinations during and beyond WWII on the other. In an interesting turnabout, apparently the Priory's stance was a Johannist one (i.e., following the cult of John the Baptist as Messiah), not one that upheld the bloodline heritage of Jesus and Mary Magdalene.

So many pieces to the puzzle fit and so many don't that the authors surmise the Priory is a front for a grouping of much older secret societies which are mentioned in historical documents, as well as for more modern intelligence agencies and political movers and shakers. An intriguing thesis.



REVIEWS



THE CHAOS POINT

by Ervin Laszlo

Hampton Roads, Charlottesville, VA, 2006; Piatkus Books Ltd, London, 2006
ISBN 1-57174-485-1 (Hampton Roads);
1-84511-088-9 (Piatkus) (166pp tpb)
Availability: <http://www.hrpub.com>;
<http://www.piatkus.co.uk>

The world is faced with a "decision window" between 2005 and 2012, and the choices that we make in this time period will determine whether we cross the Chaos Point of 2012 and take a "breakdown path" or a "breakthrough path".

Systems philosopher Dr Ervin Laszlo (author of *Science and the Akashic Field*; see NEXUS 12/02) argues in his new book that the breakdown path will lead to devolution and disaster, whereas the breakthrough path will lead to evolution and a new civilisation. However, if we want to "birth" a new world, humanity's way of thinking needs to change *en masse* in all areas, including social, economic, ecological and spiritual. The paradigm based on conquest, colonisation and consumption is well past its use-by date and must be replaced by an holistic relationship with the world and each other based on connection, communication and consciousness.

Fortunately, there are signs that a growing group of "cultural creatives" around the planet is becoming a force for positive change and a sustainable world. According to a study Dr Laszlo cites, this group comprises 50 million people today in the USA alone. It's time conservative political leaders adopted the more enlightened thinking and systems of the cultural creatives in their constituencies, otherwise, as Dr Laszlo warns, the trends will inexorably lead us to a

catastrophic Chaos Point from which there'll be no return. It's not yet too late to avert disaster, but we must act now. It's a hard ask, especially with so much greed, violence and poverty in the world, but it's up to thinking, caring people everywhere to step up their activism a notch and inspire cooperative links locally and globally.

Dr Laszlo's book, supported by a thoughtful foreword by futurist Sir Arthur C. Clarke, provides a warning and a call to action that we can't afford to ignore.

CONVERSATIONS WITH THE SOUL

by Lawrence Follas

Zenith Press, New Plymouth, NZ, 2005
ISBN 1-877365-29-7 (352pp tpb)
Availability: Zenith Publishing,
<http://www.zenithpublishing.co.nz>

Lawrence Follas, a New Zealander of Irish descent and now an octogenarian, has spent decades as a hypnotist exploring some of the intrinsic questions about who we are and where we have come from—with a little help from some willing participants, some of whom exhibit striking psychic abilities under hypnosis.

For Follas, it wasn't easy getting on the path; he struggled with years of alcoholism behind the mask of a high-powered job before he discovered the powers of meditation and hypnosis, which changed his life. It took him a while longer, and much research later (which also led him towards the "sleeping prophet" Edgar Cayce and his health readings for clients), to go beyond the "party trick" aspect and get to the core of what hypnotism is about: helping the client connect with his/her Higher Self.

Following on from his first book, *Hypnosis and the Higher Self*, Follas explores further

aspects of the divine self and higher mind in *Conversations with the Soul*. He has seen that through hypnosis clients have found answers to their physical and mental health problems by being able to access conditions experienced in a past life.

But on a more esoteric level, Follas has worked with clients who have expanded the boundaries of what it is to be human by being able to access multidimensional levels of existence through the induced trance state. Such expressions from clients have often taken the form of "automatic writing", and some examples are included herein.

The material from Follas's clients is of a quality akin to that of the great wisdom teachings. That we create our own realities and are our own best healers—if only we put our minds to the task—confirms that our conscious, subconscious and superconscious selves are all wise and powerful when working in unison. This ability to harmonise our selves is open to all of us, and Follas gives us great encouragement with reference to science and esotericism.





REVIEWS

WORK WONDERS: Feed Your Dog Raw Meaty Bones by Tom Lonsdale

Rivetco Pty Ltd, Windsor, Australia, 2005
ISBN 0-9757174-0-5 (118pp tpb)

Availability: www.rawmeatybones.com

This is an easy-to-understand guidebook on pet care from Australian veterinarian Tom Lonsdale, which follows on the heels of his more in-depth book *Raw Meaty Bones: Promote Health* (2001; see review in NEXUS 12/03). Dr Lonsdale is a convert to referring to the workings of nature and feeding carnivorous dogs and cats with primarily raw meaty bones and carcasses, a few table scraps and occasional organ meats. This means avoiding commercially processed and grain-based pet foods.

Dr Lonsdale testifies that you can see the difference in pets fed the way that nature intended: they look contented, they enjoy gnawing away at bone and sinew (which is great for their teeth and gums), and they're trim, taut and healthy (he includes some cute photos to show what he means).

Pet owners can gain a benefit, too, from seeing their pets in top shape, from not having to pay veterinarian bills and from stepping off "the commercial merry-go-round of the junk pet-food industry".

If you haven't yet switched your pet to raw meaty bones and carcasses, Dr Lonsdale has all the advice and scientific back-up you need on how to change your pet's eating habits and on how much and how often to feed, depending on the age and size of the animal. He has chapters on non-natural additives and supplements to avoid, on nasty diseases that can be kept in check with the new feeding regime, and on monitoring your pet's dental hygiene and general well-being.

He includes a two-week sample menu, tips on "feeding the inner wolf" in your dog, and lots of references for further research.

You, too, can easily learn how to "work wonders" for your pet.

THE HIDDEN STORY OF CANCER by Brian Scott Peskin, BSEE, MIT, with Amid Habib, MD, FAAP, FACE

Pinnacle Press, Houston, USA, 2006
ISBN n/a (503pp hc, limited edition)
Availability: Pinnacle Press, PO Box 56507, Houston TX 88256, USA, tel 800 456 9941 (tf), <http://www.BrianPeskin.com>

This is one of the most important books you could ever read if you want to understand and prevent cancer. Certainly, cancer *prevention* is the focus of nutritional and medical scientist Brian Peskin in this book co-written with clinical researcher Dr Amid Habib, who believes Peskin's anti-cancer regimen also helps against obesity, diabetes and many other illnesses.

Much of Peskin's thinking on anticancer strategies is based on the findings of Nobel Prize-winning German physician and biochemist Dr Otto Warburg (1883–1970), who uncovered the *primary* cause of cancer and how cancer can be prevented. Decades of expensive research into secondary causes has failed, says Peskin. The primary cause of cancer is *too little oxygen getting to the cells*. Dr Warburg discovered that just by decreasing a cell's oxygen content by about one-third, cancer is automatically induced. That is all that's required for cancerous cells to grow. This underlying cause is the same from one person to the next.

The challenge for Peskin was to find a way to get sufficient oxygen to the cells and keep it there—a challenge that had eluded Dr

Warburg. However, it wasn't until 2002 that he found the missing link: essential fatty acids (EFAs). Both omega-6 and omega-3 EFAs are part of the cell membrane and facilitate the flow of oxygen into the cells. However, the body cannot manufacture EFAs: these must be obtained in the diet and consumed in the correct ratio, i.e., at least 1:1 or 2:1 of omega-6 to omega-3.

As well as providing scientific and clinical back-up for this argument, the authors suggest a simple, five-step anticancer plan. It includes not just taking "parent" EFAs but sufficient quantities of bioavailable minerals that help maximise oxygen transfer. It also requires taking sufficient (organically produced) animal-based protein to help the haemoglobin carry enough iron to maximise blood oxygen levels, minimal carbohydrates, and a herbal detoxifier (Essiac is recommended). This advice has benefits not just in protection but in combatting ill effects of radiotherapy and improving cancer remission chances. This is a groundbreaking thesis that deserves worldwide recognition.



REVIEWS



IRAQ CONFIDENTIAL

by Scott Ritter

I.B. Tauris, London, New York, 2005

ISBN 1-84511-088-9 (312pp hc)

Availability: www.iraqconfidential.com

Scott Ritter spills the beans on behind-the-scenes machinations surrounding the United Nations weapons inspections of Iraq during the 1990s in his explosive book *Iraq Confidential*. As a weapons inspector specialising in ballistic missiles, Ritter led many international UN Special Commission (UNSCOM) teams into Iraq between 1991 and 1998 in an attempt to determine whether Saddam Hussein's regime still possessed weapons of mass destruction in contravention of UN Security Council resolutions.

From the outset, Ritter's job in UNSCOM was stymied by overt and covert interference by the US government and its agencies, especially the CIA and NSC. The accounts of his missions in Iraq, his run-ins with UN and US bureaucracies, his associations with British, Israeli and Dutch intelligence operatives and his experiences with his band of colleagues make for compelling reading.

Eventually Ritter had to conclude that a political agenda was being pushed by the US: as long as the inspections could be kept going without finding any evidence of WMDs, the longer the economic sanctions against Iraq could be kept legitimate. The chief aim of the US government, he contends, was regime change. In hindsight, following the March 2003 US-led invasion of Iraq, Ritter thinks the CIA accomplished its mission. In fact, the issue of "fixing intelligence around policy" goes back as far as 1992, he says, when intelligence about SCUD missile accounting was doctored.

In 1998 Ritter resigned in disgust over the

lies and betrayals that made it impossible for him to continue doing his job. Time and again he'd been on the verge of a breakthrough on Iraq's weapons status, when the White House withdrew support for particular inspections to serve its own agenda.

Ritter stresses we cannot ignore "difficult and inconvenient history", and he's backed up by award-winning investigative journalist Seymour Hersh in the foreword.

GENUINE FREEDOM

by Matt Engelman

Matt Engelman, The Netherlands, 2006

ISBN 90-78318-01-5 (273pp tpb)

Availability: www.mattengelman.com

The events of 9/11 were a catalyst for Matt Engelman, a former financial manager and software company proprietor, to reconsider just about everything he believed to be true. With an open mind he researched the territory behind the mainstream, and his discoveries completely changed his life.

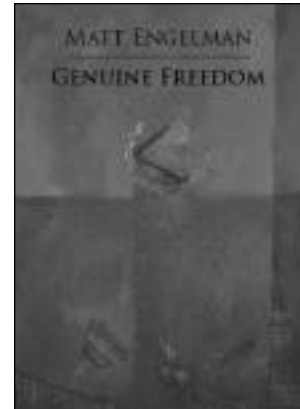
What he learnt about the control and deception forced upon—even unquestioningly accepted by—the masses, he realised most of us are not living in freedom and truth. So he had to ask "What is freedom?", and he asks us to consider this question, too.

In the first part of his book, he takes us through the control paradigms that are deceiving us—the global money system, institutionalised religions, the mainstream media, wars and depressions, and global corporations—and how they link up to form one huge "chain of control". How can we consider ourselves free when our thoughts, perceptions, belief systems, behaviours, consumption habits, and so on have been so manipulated that we don't even know it? Waking up to the fact that we're not living in

genuine freedom is a major step, but we have to *want* freedom and act accordingly and *do* something about bringing it on.

In part two, Engelman reminds us of our soul connection with the Source, for this is the only way to genuine freedom. It's the path of love, not its antithesis, fear—which is deliberately provoked by the chain of control. It's about respecting oneself and others and taking responsibility for our thoughts and actions. It's about personal creativity and collective empowerment. It's about listening without judgement, welcoming new ideas and living in harmony with the natural forces of the universe.

The path to true freedom, Engelman concludes, requires us to realise that *we* are the creators and that our souls *want* us to evolve towards higher consciousness. However, the time to act is now, as we're reaching a turning point "when the world's people will decide *en masse* that the existing global order is no longer acceptable". Engelman is not the first to share these truths, but his advice is both well-grounded and uplifting.





REVIEWS

CANCER: Its Cause and Treatment without Operation

by Robert Bell, MD

Transcribed and edited with additional text by Carmi B. Hazen, 2006 (first published by G. Bell and Sons, Ltd, London, 1913 ISBN 1-4116-7549-5 (167pp 1/f tpb)

Availability: www.lulu.com/comdyne

The findings of Dr Robert Bell still ring true, nearly 100 years since his book *Cancer: Its Cause and Treatment Without Operation* was published. Now, the text has been transcribed and reprinted by Carmi Hazen, who has a hobby of collecting useful medical literature and devices from the past and provides commentary throughout this book (see his article in this edition on eliminating parasites with the carbon arc lamp).

It seems that Dr Bell had a handle on what was to come, because in the early 20th century he was already speaking out against medical colleagues who were intent on surgery as a means of dealing with cancer. In his practice, he chose treatments according to the type of cancer he was confronted with, and they included topical application of ointments made from plant extracts, injection of formic acid, ingestion of thyroid or mammary gland extract, and so on, and they were very successful. Dr Bell cites many cases where serious tumours shrank after his treatments; yet he was a staunch advocate of early detection: if some cancers were detected too late, not much could be done. He also reviews the research of his colleagues covering clinical as well as geographical distribution findings, so his perspective circa 1913 is instructive concerning the body of knowledge at the time.

Dr Bell, an oncologist based in London had his theories about the cause of cancer,

which he saw as "a preventable disease, and one entirely incident upon civilisation". He concluded that it originates in "some flagrant contravention of hygienic laws" and is "essentially and intrinsically due to perverted cell metabolism". Thus he was an advocate of healthy dietary and hygienic habits.

Hazen, author of an e-book titled *What They Didn't Teach Your Doctor in Medical School*, has written a follow-on section, "The Truth About Cancer", which looks into the cancer-busting work of such pioneers as Dr Royal R. Rife, who suffered a tragic fate at the hands of the medical establishment from the 1930s. We've still much to learn.

AN AMERICAN DEMONOLOGY: Flying Saucers over the White House

by Colin Bennett

Headpress, Manchester, UK, 2005

ISBN 1-900486-46-6 (166pp tpb)

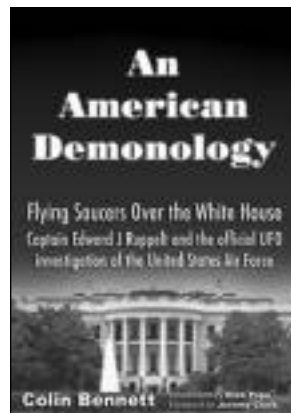
Availability: <http://www.headpress.com>

One of the pioneering figures in ufology was Captain Edward J. Ruppelt, who from 1951 to 1953 headed the US Air Force's Project *Blue Book* UFO investigations (which excluded reports on abductions and aliens). He even came up with the term "unidentified flying object". Realising that a biography of Captain Ruppelt was long overdue, Colin Bennett set about the task and has produced a work that describes not just Ruppelt's life and career but also reflects the spirit of the times. Included are numerous examples of the USAF's often muddled command structure (it was only set up in 1947) and a perspective on the fledgling but expanding military-industrial complex.

Informing Bennett in his task is Ruppelt's own book, *The Report on Unidentified Flying Objects*, published in 1956 after he

left the USAF. Unfortunately Ruppelt died in 1960 of a heart attack at age 35, so we'll never know what else he would have revealed. During *Blue Book* it seemed that Ruppelt, "the prototype systems-man", was keen to describe as "unknown" the genuine UFO sightings by many professional military personnel including pilots and radar controllers. Bennett discusses Ruppelt's investigations, including blinkered reactions and behavioural changes from higher-ranked officers than he in dealing with the UFO problem confronting them. This period in UFO history is significant, too, for a number of UFO "flaps"; for instance, the 1952 Washington, DC, UFO "invasion" when the nearby Andrews Air Force Base had all its runways out of action, so no jets could be scrambled in time to investigate the reported fast-moving, orange-glowing objects.

With an introduction by Nick Pope, former UFO Desk Officer with the UK MoD, and foreword by Jerome Clark, author of *The UFO Encyclopedia*, Bennett's book has extra clout in its study of the UFO "demon".



REVIEWS

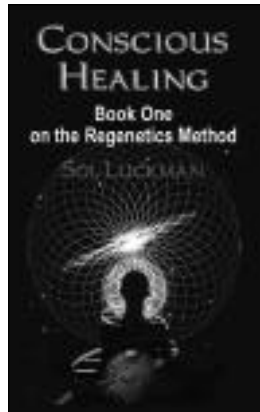


CONSCIOUS HEALING: Book One on the Regenetics Method by Sol Luckman

Booklocker Publishing, USA, 2006
ISBN 1-59113-843-4 (250pp tpb)
Availability: www.phoenixregenetics.org

In this paradigm-reworking book, author Sol Luckman develops the concept of "Energenetics", a synthesis of age-old and new-age wisdom with a sound- and light-based technology that has huge potential for human evolution and self-enlightenment.

The athletic Luckman developed a debilitating series of illnesses following a vaccination in 1996, and in the ensuing years tried every alternative therapy he could to rebuild his immune system. He also read masses of literature in his search for a cure, and became well acquainted with sources including Leonard Horowitz on vaccine dangers, Rupert Sheldrake on morphic resonance,



Richard Alan Miller on quantum biobiology, David Tansley on radionics, Larry Dossey on mind-body healing intention and Jonathan Goldman on healing sounds.

A few years later, working with partner Leigh, Luckman developed techniques based on the energy signature imprinting therapies of Dr Nambudripad's Allergy Elimination Technique (NAET) and an offshoot, BioSET, developed by his student, chiropractor Ellen Cutler. In essence, these "Regenetics" techniques involve identifying blockages in the system, clearing them, calling up "spare" DNA and resetting the "bioenergetic" blueprint. With the help of kinesiology and numerous willing clients, Luckman and partner identified 3,000 energy signatures and 12 basic human energy types, which they've applied to make their diagnoses and treatments more efficient.

Incorporating light and sound energies, their treatment takes at least nine months for full DNA reactivation to take place. In effect, inefficient neurological and biological programs are cancelled out and replaced with ones based on the ultimate Source: the

energy of unconditional love. The individual is allowed to transcend limiting, dualistic thought patterns, raise vibrational energy, repattern the electromagnetic blueprint and seal the "fragmentary body".

This is revolutionary healing science that's expanding the boundaries of being.

THE GREAT WAR FOR CIVILISATION by Robert Fisk

Knopf, USA, Fourth Estate, UK, 2005
ISBN 1-4000-4151-1 (1113pp hc)
Availability: <http://www.aaknopf.com>;
<http://www.4thestate.co.uk>

One cannot fail to be moved by the writings of journalist Robert Fisk in his first book since 1990. Covering three decades of front-line reporting in the Middle East and taking 15 years in the writing, it's a massive work with a long list of acknowledgements, though not including those valuable sources whom Fisk cannot name for the sake of their personal safety. Fisk never had any doubts that he wanted to be a foreign correspondent, and in the hotbed of the Middle East he's seen more than enough evidence of "the arrogance of power" that subjugates nations, causes death and suffering and makes innocent people live in fear and despair.

In his blazing, tell-it-like-it-is style, Fisk not only documents the history he's witnessed in the making but also calls to account the powers-that-be, questioning the sanity and agendas of politicians who send soldiers to war and condemn innocent people to death and destruction.

Every war "represents the total failure of the human spirit", he laments. The title for this book comes from the words engraved on the obverse side of a medal awarded to his father who fought on the battlefields of France in World War I: "The Great War for Civilisation". Ironically, at one stage in his war-reporting career, Fisk stood on the very place where the fateful gunshot in Sarajevo started the Great War. And while his father was being sent to far-flung fields, the first holocaust of the 20th century was being played out; years later, Fisk would interview elderly survivors of the Armenian holocaust at the hands of the Turks, and his chapter on this episode is most poignant.

Fisk has seen many "wars for civilisation" in his time. Based in Beirut, he's reported key events in Lebanon, Palestine, Iraq, Iran, Israel, Afghanistan, Algeria and more since he became the Middle East correspondent for the *Independent* in 1976; in fact, at the time he'd just finished reporting on the Portuguese revolution and previously had been in Belfast covering "the troubles".

This is a passionate account of Fisk's travels and travails that shocks with its realism and goes headlong to get at the truth.



REVIEWS

BOOKS

Reviewed by Duncan Roads

THE RINGING CEDARS SERIES

by Vladimir Megre

Ringling Cedars Press, Columbia, Missouri, USA, 2005 (edited by Leonid Sharashkin, translated by John Woodsworth)

Book 1: *Anastasia*, ISBN 0-9763333-0-9 (202pp trade paperback)

Book 2: *The Ringing Cedars of Russia*, ISBN 0-9763333-1-7 (209pp tpb)

Book 3: *The Space of Love*, ISBN 0-9763333-2-5 (211pp tpb)

Availability: Ringling Cedars Press, www.ringingcedars.com

In 1994, a Siberian elder told the entrepreneur Vladimir Megre a fascinating story about the "ringing cedars"—trees respected from biblical times for their curative powers and their capacity to reconnect human beings with the Divine. The elder told him where such a ringing cedar was growing in the Siberian backwoods.

Vladimir Megre set out on an expedition to find the tree. But his encounter with the elder's granddaughter Anastasia transformed him so deeply that he abandoned his commercial plans. Penniless, he went to Moscow to fulfil Anastasia's request that he write a book about the spiritual insights she had shared with him. What happened next thrilled and inspired millions, as Anastasia promised it would.

With no advertisement other than word of mouth, the Ringling Cedars Series has become an international bestseller with over 10 million copies sold in Russian alone and translations in 20 languages. It has touched the hearts of millions of people worldwide.

Anastasia, the first book of the Ringling Cedars Series, tells the story of entrepreneur Vladimir Megre's trade trip to the Siberian taiga in 1995, where he witnessed incredible spiritual phenomena connected with sacred "ringing cedar" trees.

Megre spent three days with Anastasia, who shared with him her unique outlook on subjects as diverse as gardening, child-rearing, healing, nature, sexuality, religion and more.



The Ringing Cedars of Russia, the second book of the series, provides a fascinating behind-the-scenes look at the story of how *Anastasia* came to be published. It offers a deeper exploration of the universal concepts so dramatically revealed in book one.

It takes the reader on an adventure through the vast expanses of space, time and

spirit—from the Paradise-like glade in the Siberian taiga to the rough, urban depths of Russia's capital city, from the ancient mysteries of our forebears to a vision of humanity's radiant future.

The Space of Love, the third book of the Ringling Cedars Series, describes the author's second visit to Anastasia. Rich with new revelations on natural child-rearing and alternative education, on the spiritual significance of breastfeeding and the meaning of ancient megaliths, it shows how each person's thoughts can influence the destiny of the entire Earth.

Megre describes practical ways of putting Anastasia's vision of happiness into practice. He shares his new outlook on education and

children's real creative potential after a visit to a school where pupils build their own campus and cover the 10-year Russian school program in just two years. Complete with an account of an armed intrusion into Anastasia's habitat, the book highlights the limitless power of Love and non-violence.

Inspired by the Ringling Cedars Series, thousands of people are now planting

trees, changing their lifestyle and seeking a spiritual reconnection with the Earth.

Personally speaking, I rank these books amongst the most profound I have ever read. As one NEXUS reader wrote recently (Letters, 13/02): "Basically, these books make all the books I've read to date look like a complete waste of paper!" If you only read one book in your life, read *Anastasia*.

REVIEWS



DVDs

Compiled by Duncan Roads

ROOTED: A hard-hitting scientific look at the dangers of Root Canal Therapy

Produced by La Mmag © Robert Gammal, 2006 (60+18mins, PAL DVD)
Availability: La Mmag Productions, Suite 102, Piccadilly Court, 222 Pitt St, Sydney NSW 2000, Australia, tel +61 (0)2 9264 5195, email robert@lammag.com, website <http://www.rooted.tv>

Root canal therapy is regarded as a sophisticated, scientific dental treatment whose aim is to keep a dead tooth painlessly in the mouth. We are constantly assured that it is a safe and effective treatment. The idea that a dead tooth could cause a wide variety of diseases is strenuously denied by the dental profession.

Rooted is a one-hour documentary which explodes these dental myths and takes a hard-hitting look at the dangers associated with root canal therapy. This is life-changing information. Anyone who has had a root canal treatment needs to know how such a dead tooth may affect your health.

The documentary is extensively referenced and includes a separate 18-minute chapter with patient interviews.

It should be compulsory for dentists to watch this film, over and over again!



SECRET SPACE: The Illuminati's Conquest of Space – Volume 1

Written, produced & directed by Chris Everard © The Enigma Channel & GBC/AIM, 2005 & 2006 (120mins)
Availability: Via websites <http://www.SecretSpaceDVD.com> and <http://www.enigmatv.com/>

This is a fast-moving, info-packed, two-hour documentary exposing the hidden history of NASA, its links to a network of secret societies, and an agenda to control space. It includes: Nazis, the CIA and Project Paperclip; Werner von Braun; man-



made flying saucers of World War II; Hitler's secret weapons; David Icke, Aleister Crowley and the JATO rocket systems; occult names for the space shuttles; how NASA faked the Moon-landing photos; UFOs over America; MJ-12 and the Manhattan Project; secret government; 33rd-degree masonic control of NASA; aliens; the Siberian Installation; alien abductions; "Star Wars" deployments; and NASA's nuclear nightmare. A great DVD. Well done, Chris Everard of Enigma TV!!

LIGHTSOURCE WITH HEMI-SYNC: A Sacred Geometry Experience

Produced by Monroe Products, 2005
Availability: LightSource, 18624 Downing Rd, Kearney, MO 64060, USA, tel 1888 716 9860, <http://www.spiraloflight.com/>, <http://www.sacred-geometry.com>

After watching the previous two DVDs, you're really going to need *this* DVD! It is absolutely stunning, especially if you like to watch the most inspirational of sacred geometrical shapes and listen to Monroe's Hemi-Sync music/tones at the same time.

The DVD displays 13 of the world's most auspicious and elementally powerful geometric designs, including: Flower of Life, Tree of Life with Seed of Life, Sri Yantra, Endless Knot, Torus, Golden Mean Spiral, Vesica Piscis, Harmonics of Music and 13 Chakras, Metatron's Cube, Sacred Heart, Dodecahedron and Pentagonal Star, Ankhs and the Seed of Life, and the Electromagnetic Field of the Human Merkaba.



Hemi-Sync is a patented audio guidance technology, scientifically and clinically proven and refined, with over 40 years of research behind it. Researchers learned that specific Hemi-Sync sound patterns could lead the brain to various states of consciousness ranging from deep relaxation or sleep to expanded awareness and other "extraordinary" states. Put this on the big screen, sit back and prepare to blast off.

I rate this as "truly awesome"!



REVIEWS

MUSIC

Reviewed by Richard Giles

ONE WORLD, ONE KID

by various artists

Putumayo, USA, 2005 (23mins)
Distributors: **Aust**—MRA, tel (07) 3849 6020; **UK**—Putumayo, tel 07759 600495; **USA**—Putumayo World Music, tel 800 955 9588, www.putumayo.com

In 2005, six-year-old Skyler Pia created a music show to cheer up his friend Eric who was ill with cancer. He did what most kids his age only dream about: he hosted a radio show. Skyler's show features songs from around the world and information about the artists and cultures. His parents were so proud of his work that they shared his recording with everyone, including friends of Putumayo's founder, Dan Storper, who loved it so much he released it as a specially priced CD. Putumayo is donating proceeds to the Make-A-Wish Foundation.

A VISIT TO ALI FARKA TOURE

by Marc Huriaux

Digital Classics, 2005 (DVD, 63mins)
Distributors: **Aust**—MRA; **UK**—Digital Classics Ltd, tel +44 (0)20 7636 1400, website <http://www.digitalclassics.co.uk>

This is a musical trip to Ali Farka Touré's home in Niafunké, Mali, where he owned a large farm that helped make his home town productive and provided local employment. After making it on the world scene, Ali Farka Touré had decided to focus on his origins and provide support for his own people. The DVD contains documentary footage of his work and music. Touré won Grammys for his *Talking Timbuktu* album with Ry Cooder and *In the Heart of the Moon* with Toumani Diabaté (see NEXUS 12/06). Very sadly, Touré died of cancer in March 2006. He leaves behind a superb collection of music. If you love Mali and Touré's music, find this DVD.

MUSICA PARA DESPUES DE ALMUERZO

by Bitman & Roban

Nacional Records, USA, 2006 (34mins)
Distributors: **Aust**—MRA; **USA**—Nacional Records, tel (818) 763 1397, <http://www.nacionalrecords.com>

One of Chile's newest musical groups, Bitman & Roban made their debut in the USA with the new album *Música Para Después de Almuerzo* ("Music For After Lunch"). It's a mix of electronic, funk, hip-hop, Latin and lounge music, with collaborations from several artists. They are led by José Antonio "Toto" Bravo (aka DJ Bitman),

Cristián Powditch (synthesisers), Roberto "Titae" Lindl (bass) and Adolfo "Kataix" Araus (piano). Very funky Latin.

HONORING

by various artists

Real Music, 2005 (2CDs, 76mins)
Distributors: **Australia**—New World Music, tel (02) 9565 4522; **Europe**—MCC, tel +49 4102 898202; **USA**—Real Music, tel (415) 331 8273, website <http://www.realmusic.com>

For this double album, Real Music has combined artists working with the sacred sounds of ancient musical forms. Mantras, devotional song and instrumental melodies to tune the heart and soul can be heard here. Among the virtuosos are Karunesh, whose instrumental work is sublime, Jeff Beal and Nawang Khechog, who combine Tibetan styles, sacred singer Deva Premal (NEXUS 12/05), divine chanter Buedi Siebert, and Jim Oliver with his powerful synthesis of East and West. The second CD contains a 16-minute meditation.

BRAZILIAN LOUNGE

by various artists

Putumayo, USA, 2006 (45mins)
Distributors: **Aust**—MRA, tel (07) 3849 6020; **UK**—Putumayo; **USA**—Putumayo World Music, www.putumayo.com

The popular music of Brazil has had an enormous influence on global culture. This new album from Putumayo, *Brazilian Lounge*, features some of the finest new artists from the bossa nova, samba and soul fusion musical streams, and includes some classics of the Brazilian sound. On the CD are the famously pedigreed Bebel Gilberto, Seu Jorge, whose music appeared in the movie *City of God*, Marcos Valle, whose bossa nova has been around since the 1960s, newcomer Luca Mundaca, and many more. Seductive music for slow grooving.



Continued from page 16

In any case, there is no evidence that Bryant procured either of the weapons to which the massacre has officially been attributed.

No one has even been proven to have sold the weapons to Bryant, and no theory exists that would explain how he came by them if he did not buy them from gun dealers. A similar mystery surrounds the ammunition used at Port Arthur.

Although Hobart gun dealer Terry Hill admits to having sold Bryant three boxes of Winchester XX 1½-oz shotgun shells (code number X12XC) on 24 April 1996—four days before the massacre—this is not ammunition which was used at Port Arthur. If Hill—or anyone else—sold Bryant the ammunition that was recovered from the crime scene, then Tasmania Police ought to have been able to prove it. The fact that they have never traced the origin of the ammunition (or, at least, have never revealed its origin to the public) surely means that it cannot be connected to Bryant. It is, after all, extremely hard to believe that Bryant, with an IQ so low that it would put him in the bottom one or two per cent of the

population (as established by psychiatrist Ian Joblin in June 1996), could have managed his purchases of guns, ammunition and everything else involved in the case so successfully that the police have utterly failed to establish the origin of so much as a single item. It is far easier to believe that the police simply do not want us to learn who procured these deadly items and how.

Narratives of the Port Arthur massacre also contain mention of other items which allegedly belonged to Martin Bryant. These items consist of a video camera and a yellow Volvo left at the PAHS tollgate, together with items found inside it: a full 25-litre drum of petrol, a 10-litre drum of petrol containing seven litres, a grey video camera bag, lengths of sash cord rope, two pairs of handcuffs and three packets of Little Lucifer fire starters. Not one iota of proof has ever been provided to prove that Bryant owned any of these items (not even the Volvo, which could have been an identical model to Bryant's, rather than Bryant's unique vehicle). What's more, no one is on record as having admitted to selling Bryant any of these items. Although Bryant could easily have purchased Little

Lucifer fire starters inconspicuously, it is unlikely that he could have bought large drums of petrol or two pairs of handcuffs without attracting attention.

Concerns about lack of evidence against Bryant

The lack of evidence for the identification of Martin Bryant as the Port Arthur shooter is a matter that should concern all Australians today. Only a few determined individuals have been brave enough to raise the matter in public. At a meeting of the Australian and New Zealand Forensic Science Society held at Griffith University in Queensland in 2002, Ian McNiven raised the subject of the lack of forensic evidence incriminating Martin Bryant.

The presenter, who was apparently Sergeant Gerard Dutton, of the Ballistics Section of Tasmania Police, grew angry and had university security threaten McNiven and effectively evict him from the meeting. McNiven was not wrong to raise the question of the lack of hard evidence against Bryant.

In an interview with the *Bulletin* of 4 April 2006, Tony Rundle, who became premier of Tasmania six weeks before the

The Port Arthur Massacre: Was Martin Bryant Framed?

massacre, effectively admits that the evidence in the public domain is insufficient to support the official determination that Bryant had been the gunman, except that he tries to explain the fact away:

"Rundle still wonders whether the recovery might have been hastened if Bryant had stood trial. At the time the view was a trial could do no good for the victims and their families. 'Now I think maybe that wasn't the case. If all the evidence was heard, then maybe it would have provided some closure and stopped the proliferation of conspiracy theories that sprang up over the years,' he says."

A question to Mr Rundle: given that a great many Australians are sceptical of the claim that Bryant was responsible for the Port Arthur tragedy, can it ever be too late to release "all the evidence"?

If he is so concerned by the proliferation of "conspiracy theories", perhaps he should contact Fiona Baker, executive producer of the popular TV program *Forensic Investigators*, which deals precisely with the subject of how the police use evidence to identify suspects. So far, Baker has not done a program on Port Arthur. I'm sure

she would be delighted to make her program a vehicle for the first public presentation of the evidence for which Australia has been waiting for 10 years.

Continued next issue...

Author's Note :

I wish to thank Mr Noel McDonald, author of *A Presentation of the Port Arthur Incident* (2001), for his valuable work in scrutinising the case and, in particular, for culling some extremely significant information from the witness statements. Most of the unattributed information in this article is sourced from his book.

— Carl Wernerhoff

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separate CD-ROM with documents, videos and pictures is also available).

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- Vials, Joe, *Deadly Deception at Port Arthur*, Carine, Western Australia, 1997-1999 (self-published book); for transcript, see <http://home.overflow.net.au/~nedwood/JoeVials.html>.

About the Author :

Carl Wernerhoff is the pseudonym for a Sydney-based conspiracy researcher with a particular interest in the history of political assassinations and orchestrated tragedies such as the Port Arthur and Columbine massacres. He has a PhD in History and currently works as a teacher. He recently released an e-book, *What's Going On? A Critical Study of the Port Arthur Massacre*. It can be downloaded (free of charge) from <http://www.ourmedia.org/user/95839>.

Carl Wernerhoff can be contacted by email at cwernerhoff@yahoo.com.

Continued from page 31

The radicals believe that the US actively utilizes Turkish and Muslim elements... From Azerbaijan, radicals foresee a strategic penetration which would irrevocably split the Federation. US influence would be distributed to the former Soviet Central Asian Republics, to Chechnya and the other North Caucasus Muslim autonomous republics of T[ar]stan and Bashkortostan. As a result Russian territorial integrity would be irreparably compromised.⁵⁴)

Yasenev also claims that, in the summer of 2004, the meta-group:

...started a project in the Near-Volgian Federal District to train cadres for [the] Volga-Urals chapter of the international extremist organization Hizb ut-Tahrir, banned by the Supreme Court of the Russian Federation in 2003. The project is financed by private philanthropic foundations of the Arabic Emirates and Saudi Arabia.

In this context, we can further question Dunlop's assumption that the 1999 meeting

organised by Surikov in southern France was called to promote the intentions of the Yeltsin "family". In the light of the Yasenev essay, it is more likely to have served the purposes of militant Islam and the drug traffic.

The portraits of Saidov's and Surikov's connections with al-Zawahiri, Erbakan and Hizb ut-Tahrir confirm the criticisms by the Indian analyst B. Raman and others that American studies of Islamist jihadism err in their restrictive focus on al-Qaeda.⁵⁵

The full range of Islamic jihadism is far more complex.

In my conclusion, I'll return to the possibility that the US government may share common goals with Hizb ut-Tahrir and the meta-group in Russia, even while combatting the Islamist terrorism of al-Qaeda in the Middle East and the West.

Continued next issue...

Editor's Note:

We are unable to publish the accompanying endnotes due to their extensive nature and our lack of space.

This article has been abridged for a 2006 colloquium presentation by Dr

Scott at the University of Melbourne.

A longer form of this essay, together with endnotes, can be found at <http://www.lobster-magazine.co.uk/articles/global-drug.htm>.

About the Author:

Dr Peter Dale Scott, a former Canadian diplomat, has written extensively on US foreign policy and the international drug traffic.

He has recently completed a book manuscript, *The Road to 9/11: Wealth, Empire, and the Future of America*. His most recently published book is *Drugs, Oil, and War: The United States in Afghanistan, Colombia, and Indochina* (Rowman & Littlefield, 2003).

For additional background, see "A Ballad of Drugs and 9/11", *FlashPoint*, Spring 2006, at <http://www.flashpointmag.com/scott2.htm>. Dr Scott's article "Al-Qaeda, US Oil Companies and Central Asia" was published in NEXUS 13/03.

For more details about Dr Scott and his work, visit his website <http://www.peterdalescott.net>.

A UFO Conversation with Senator Barry Goldwater

Continued from page 56

Postscript

On 29 May 1998, Barry Goldwater passed away in Phoenix, Arizona. Perhaps he now knows the secrets of that "secret area" at Wright-Patterson Air Force Base and is now aware of other races among the stars.

About the Author:

Clark C. McClelland has been involved in the study of alien life visiting Earth since 1947.

He was Director of the National Investigations Committee on Aerial Phenomena (NICAP) at Cape Canaveral and Kennedy Space Center (KSC), Florida, USA, for 12 years from 1958 to 1970. He was Director of the Mutual UFO Network (MUFON) Unit at KSC and Assistant State of Florida Director of MUFON for two years from 1990 to 1992.

McClelland was trained in astronomy (advanced amateur) at the former Buhl Planetarium, Pittsburgh, PA, and was a planetary observer (Mars, Jupiter, Moon, Venus, etc.) at

the Allegheny Observatory of the University of Pittsburgh under former Director Dr Nicholas E. Wagman. His observations were published in *Sky and Telescope Magazine*, *The Strolling Astronomer Magazine* (USA), in Japan, and in the science journal of the Academy of Sciences of the USSR.

McClelland joined the US Space Program in 1958 and observed or assisted in launching 628 rockets and space missions. He continues to observe launches near his home in Florida. During his time at KSC, he held positions including Spacecraft Operator (ScO) of the Space Shuttle Fleet as well as Mission Operations Monitor in the Launch Control Center. He was also an Aerospace Engineer and Technical Assistant to the NASA *Apollo* Program Manager during the lunar landing missions.

McClelland was the actual "X-Files" operative at the Cape and KSC during his years in the US Space Program. He was a member of an ONI unit at Patrick Air Force Base, south of Cape Canaveral.

Clark C. McClelland is currently

seeking a publisher for his book(s) *The Stargate Chronicles: Spilling the Beans!* (see below); go to http://www.stargate-chronicles.com/book_proposal.html for more details.

McClelland can be contacted by email at clark0003@gmail.com or via his website <http://www.stargate-chronicles.com>.

Author's Note:

To potential publishers: I have been writing my book(s) *The Stargate Chronicles: Spilling the Beans!* for over 16 years. The eyewitnessed accounts cannot be duplicated by any other UFO researcher. I have other incidents to relate that will curl your hair!

I am seeking a courageous publisher in China, Japan, Australia, Europe, etc. Whatever nation publishes my book will have a bestseller for world distribution. That success will create obvious interest of publishers in the USA.

No other person on Earth can release what I have experienced. No one!

— Clark C. McClelland